

Fig. 1

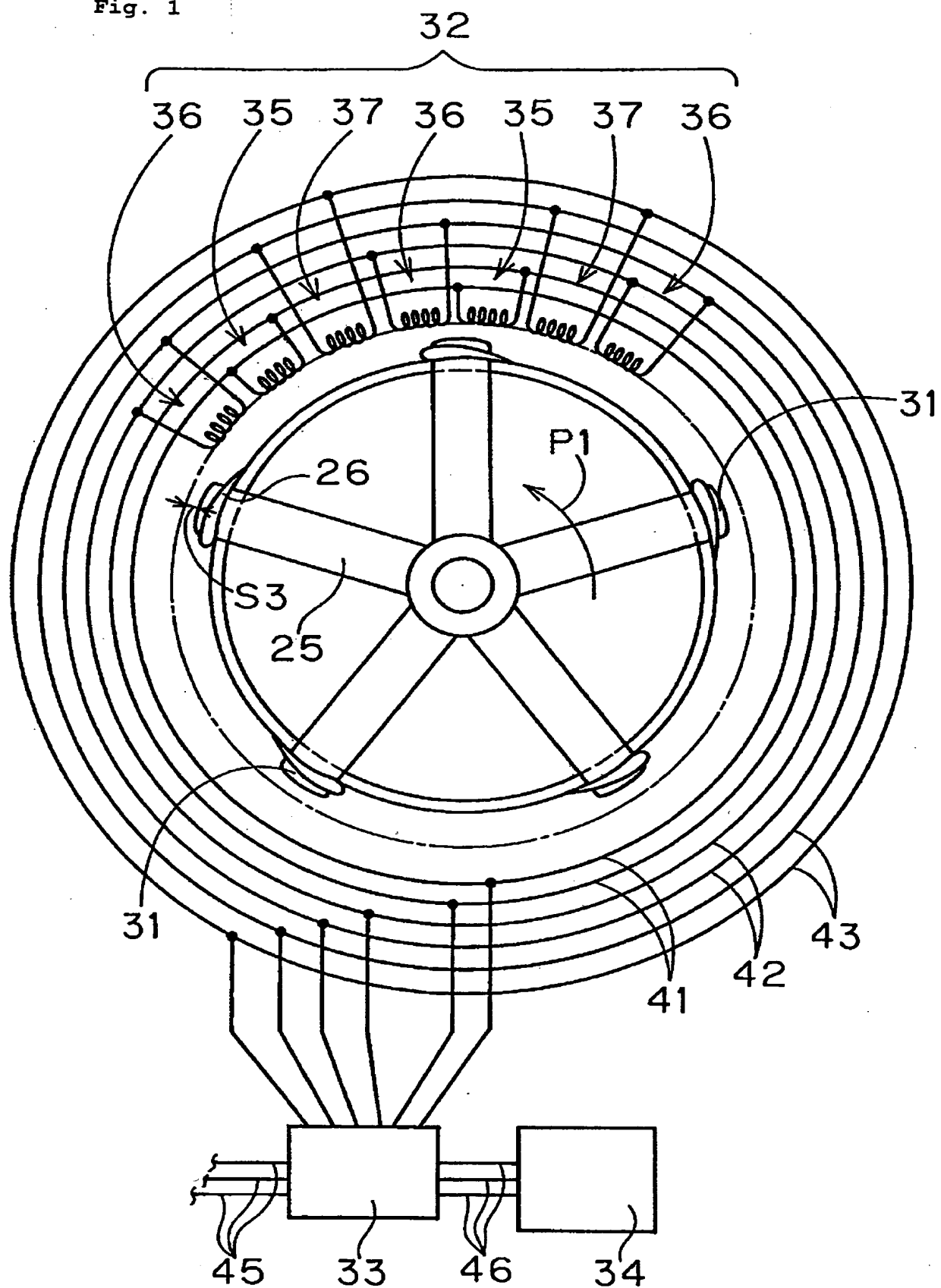


Fig. 2

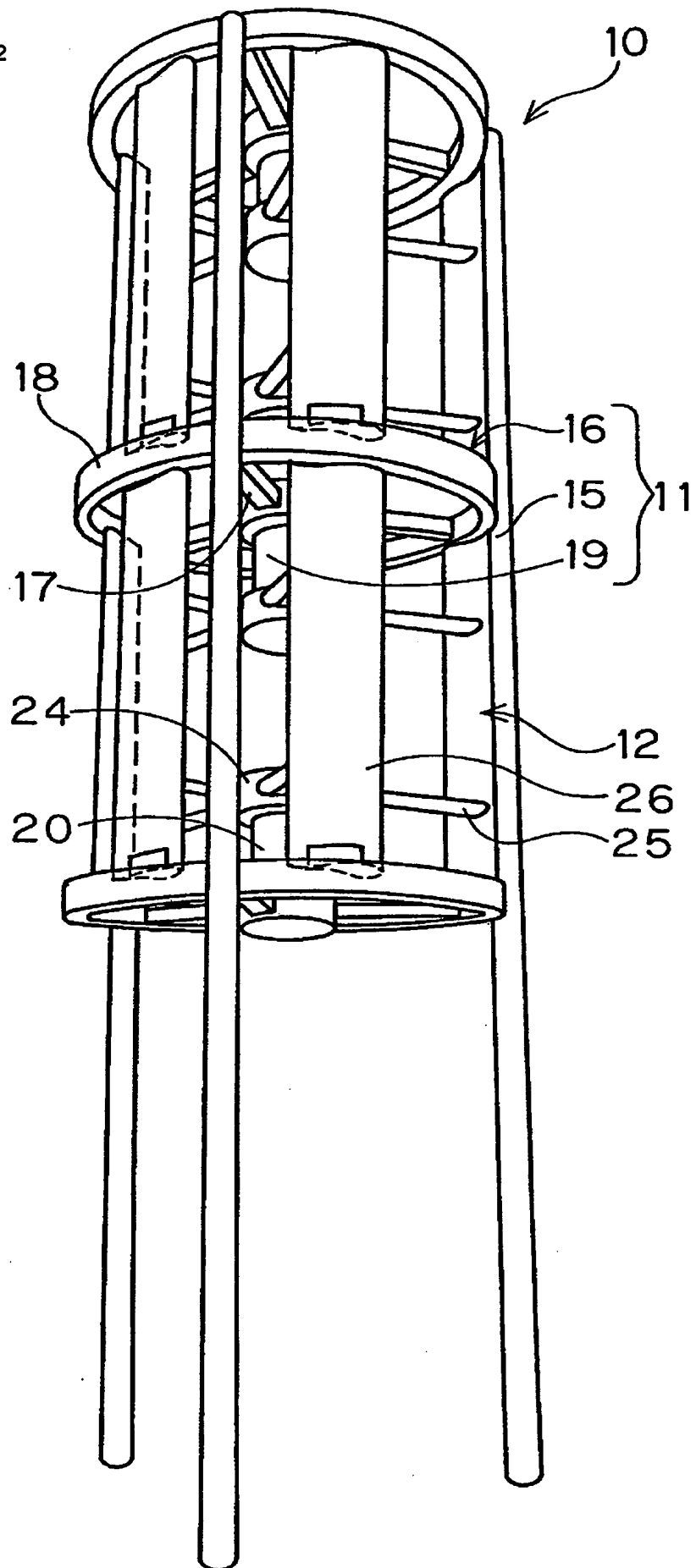


Fig. 3

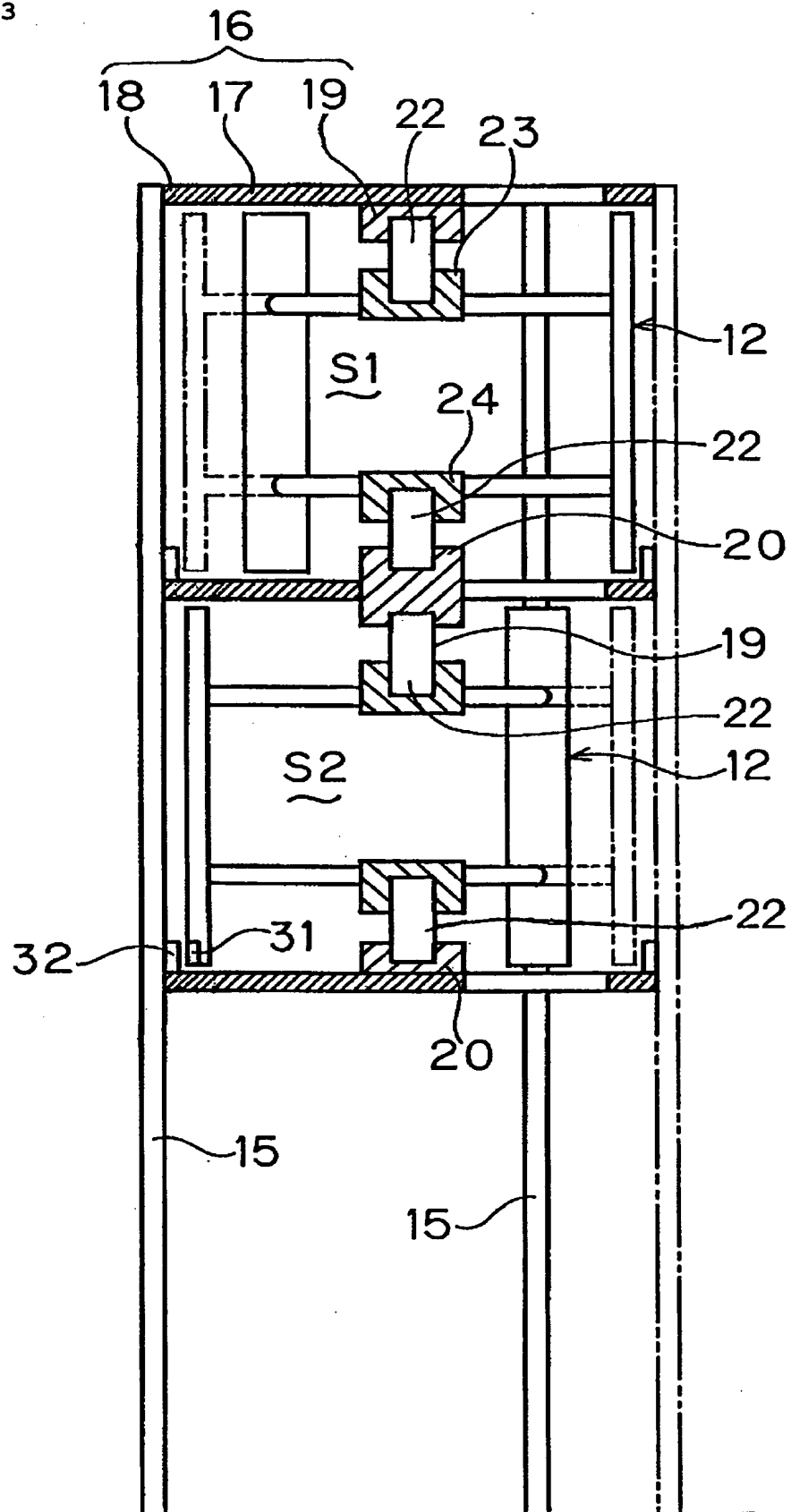


Fig. 4

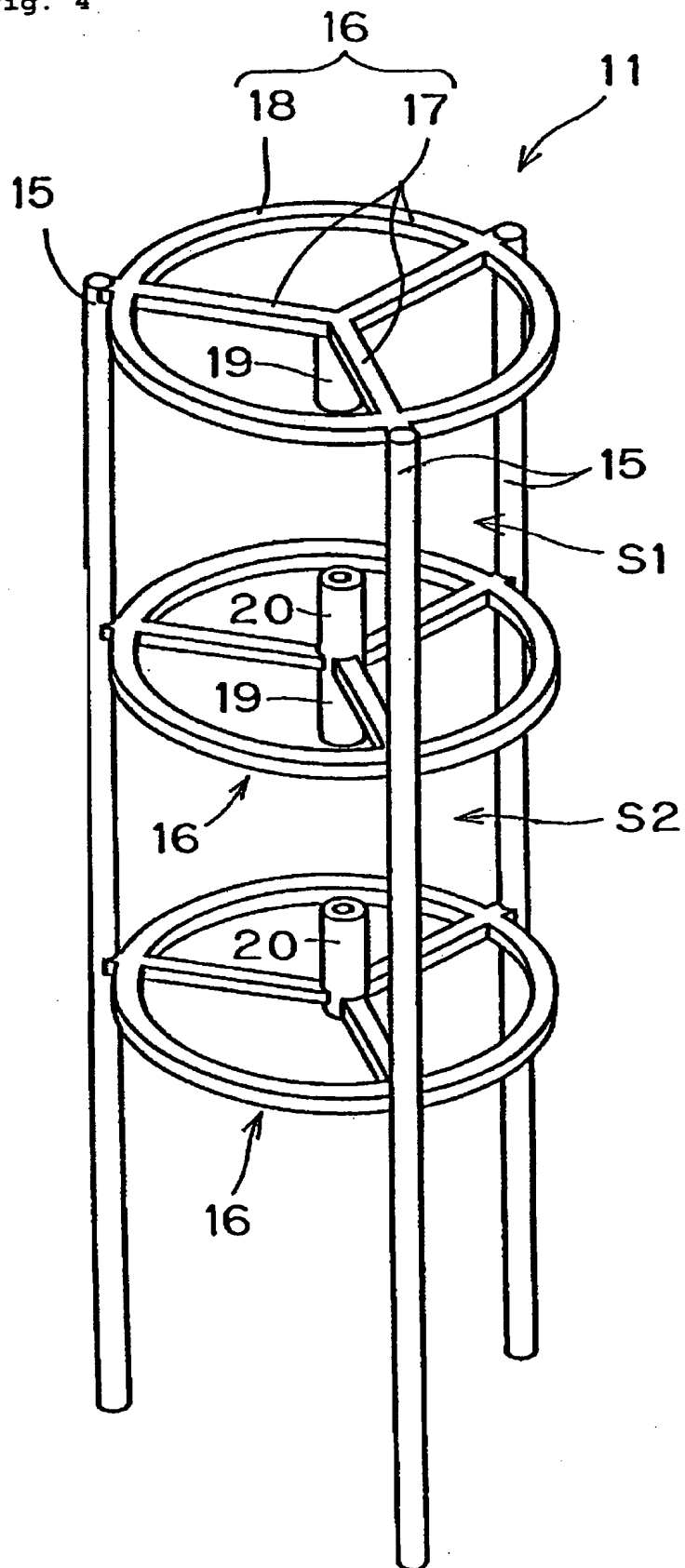


Fig. 5

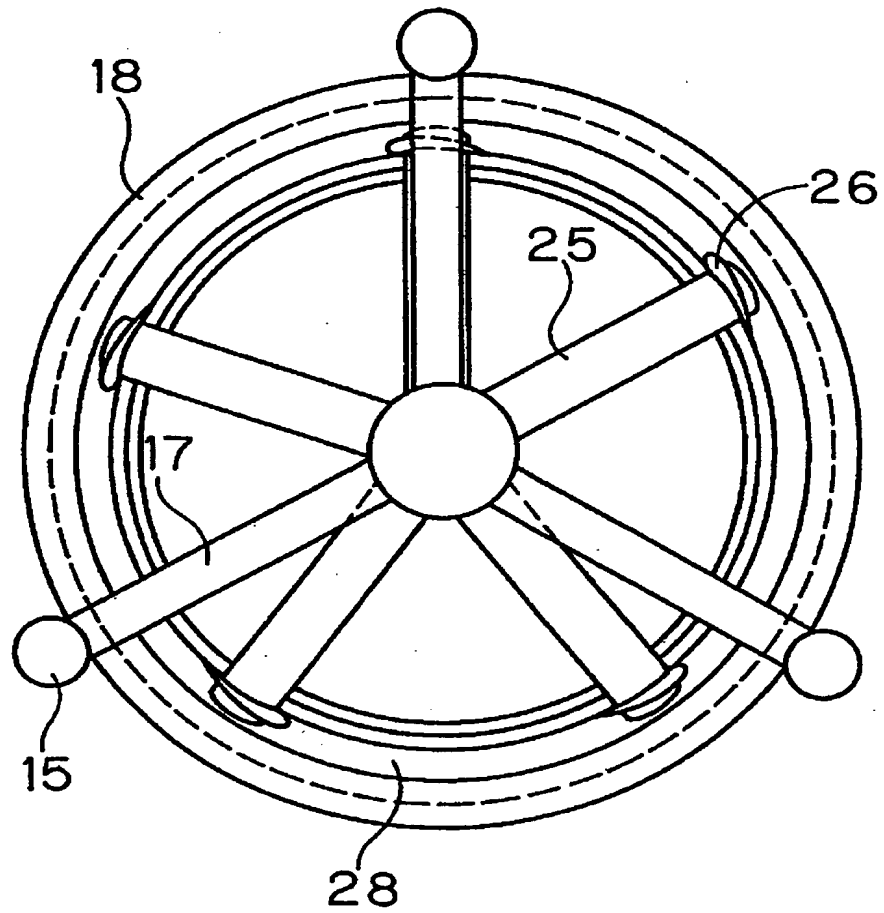


Fig. 6

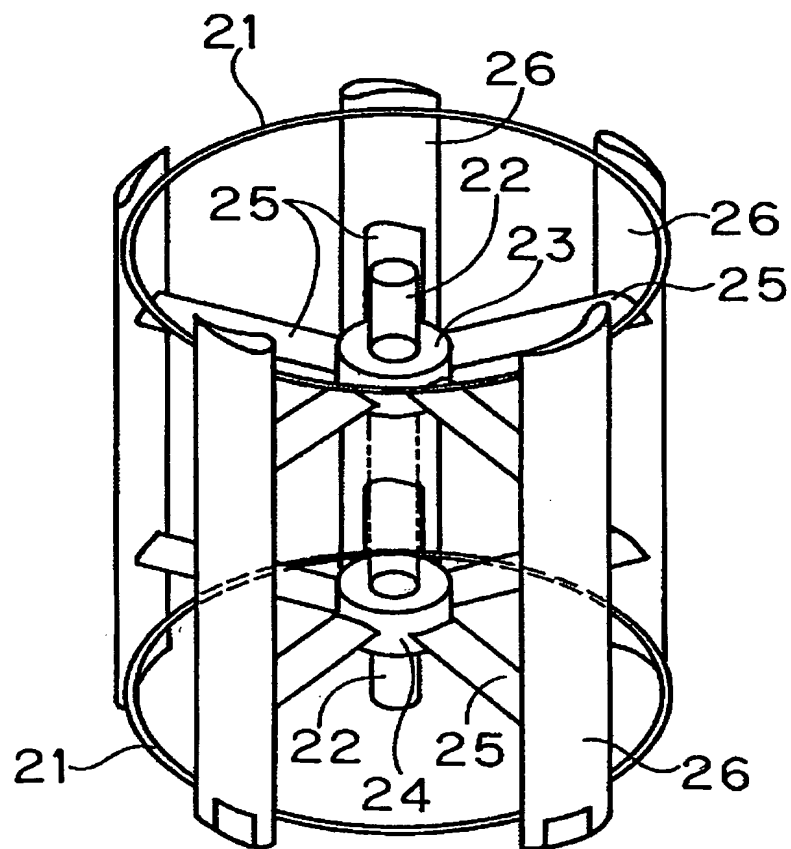


Fig. 7

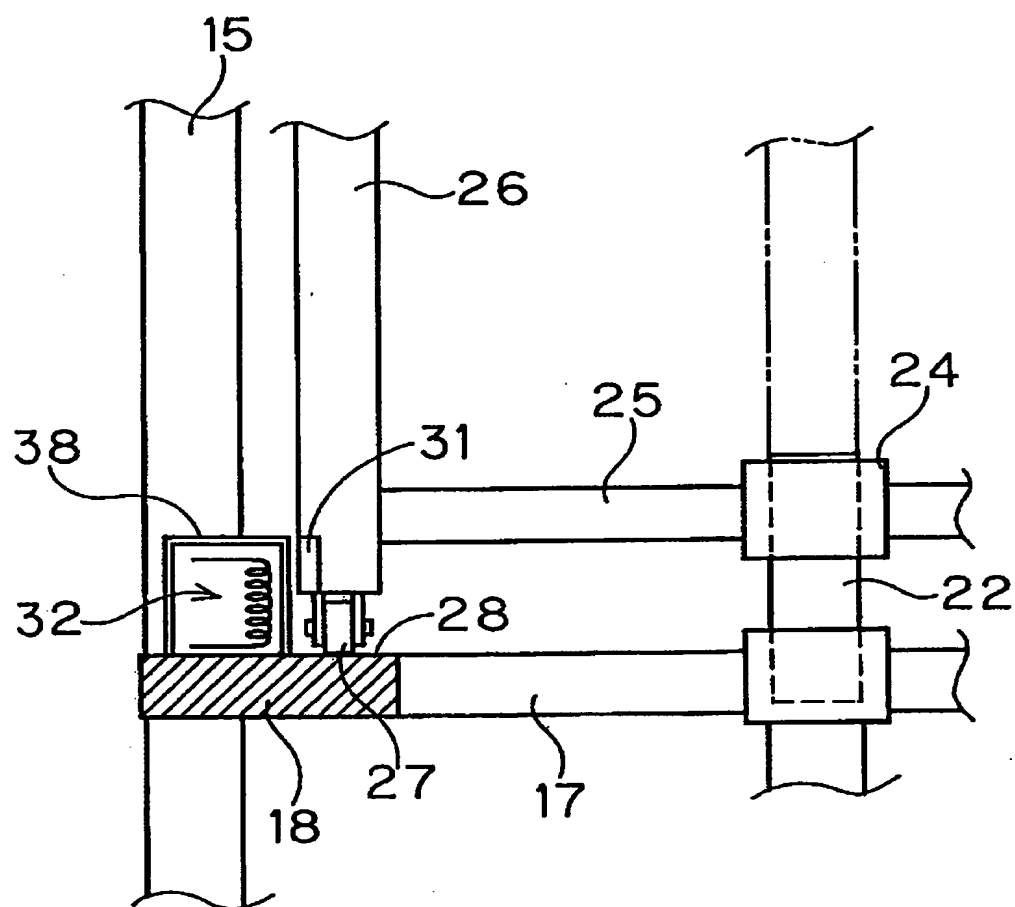


Fig. 8

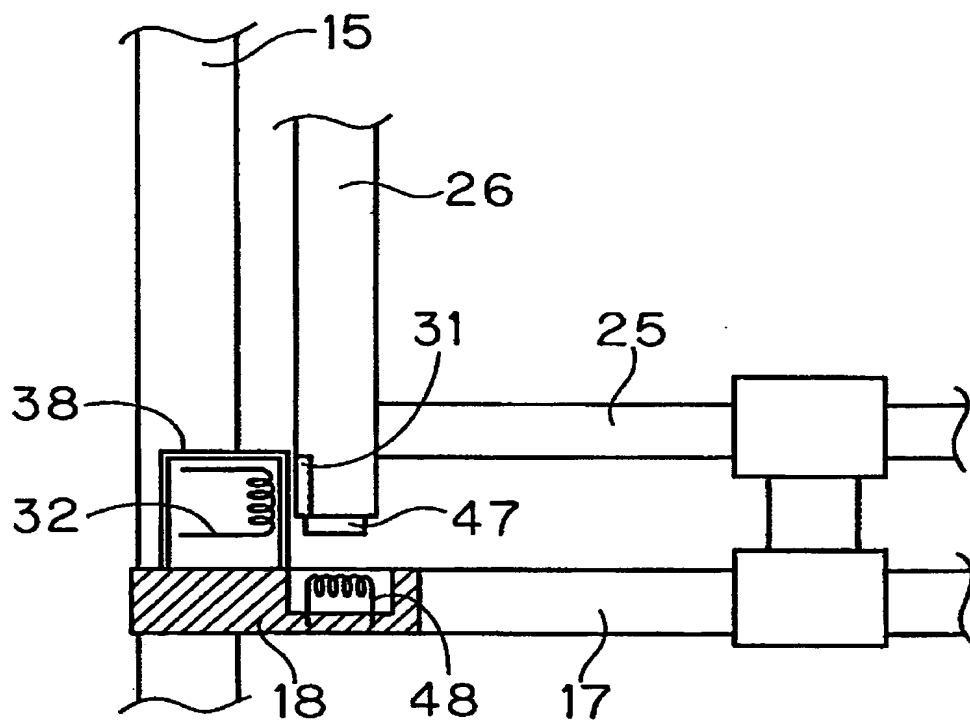


Fig. 9

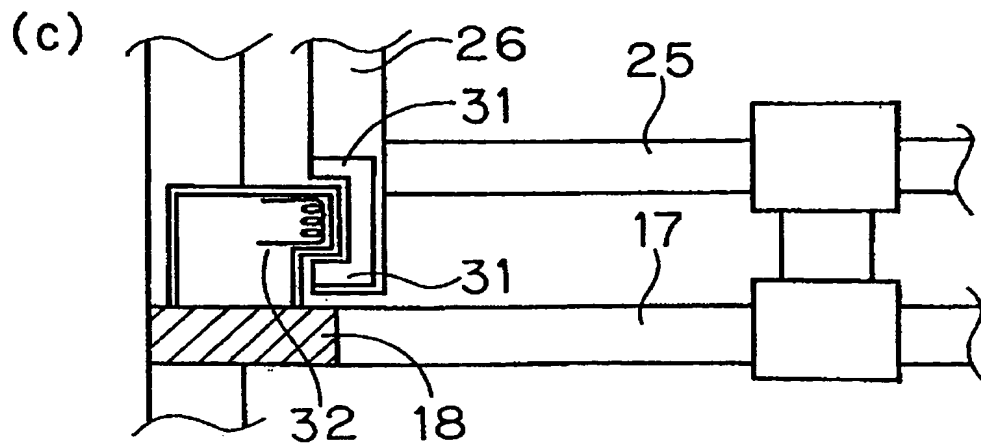
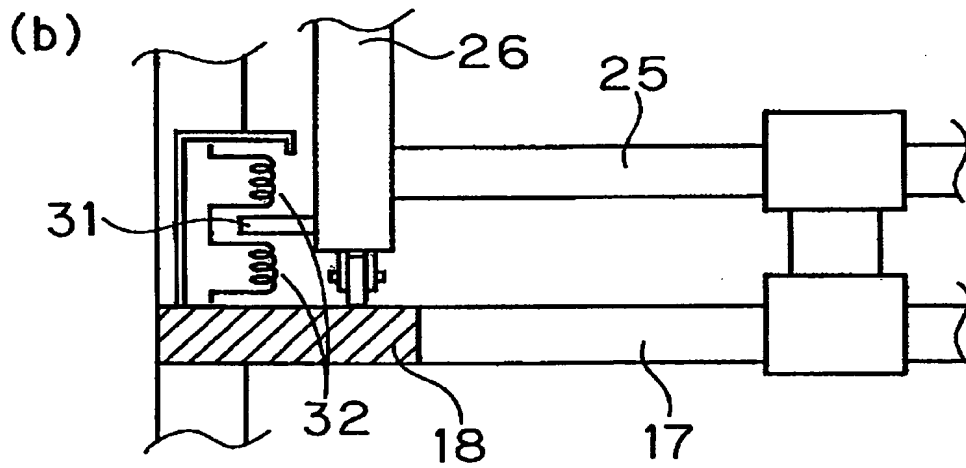
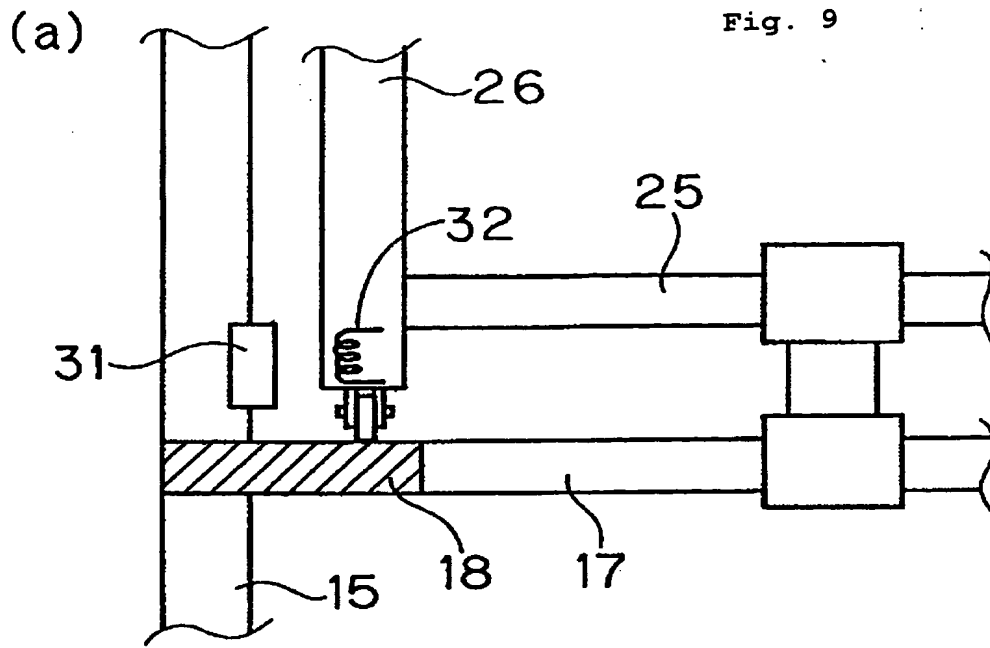


Fig. 10

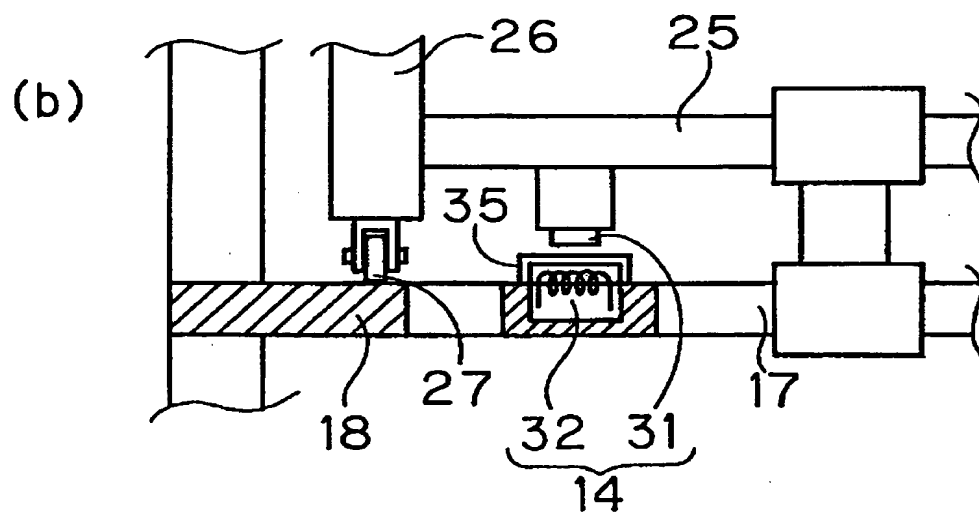
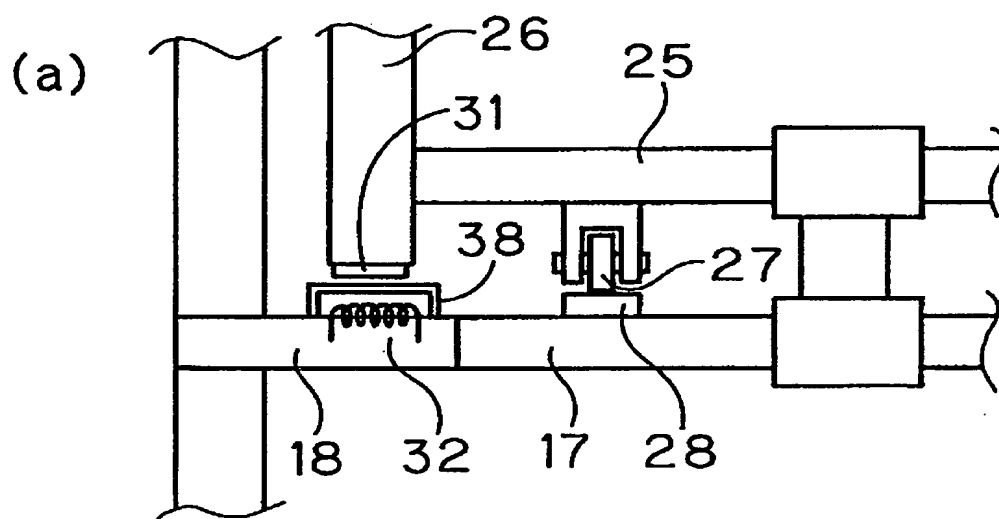


Fig. 11

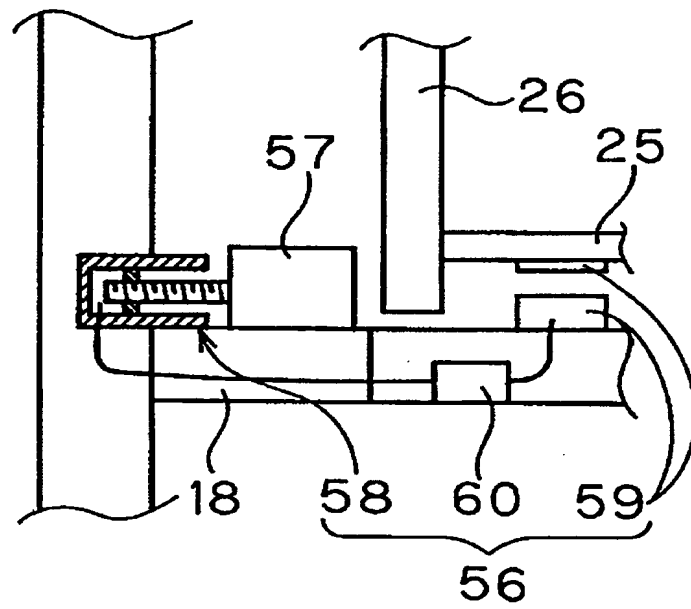


Fig. 12

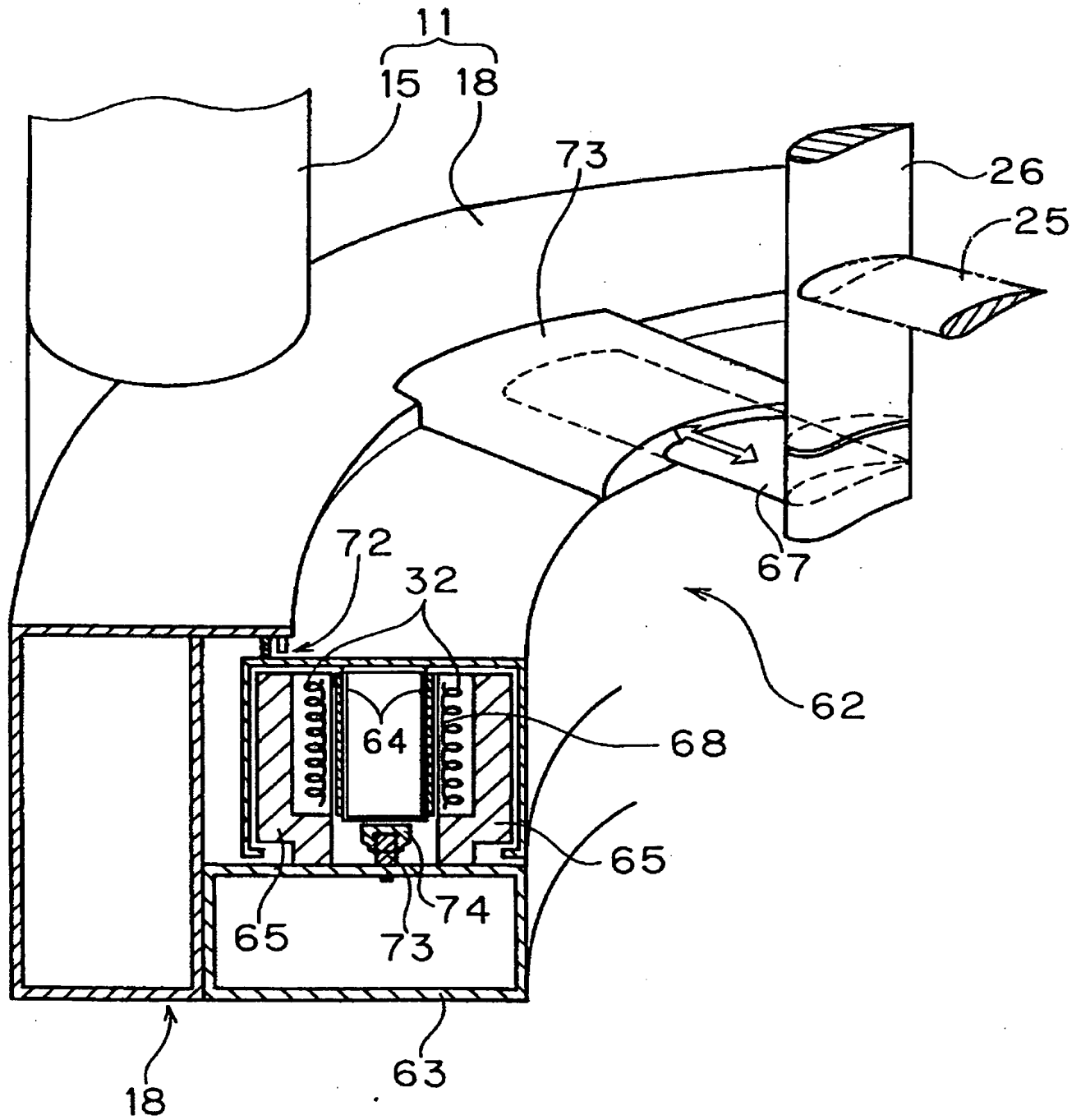


Fig. 13

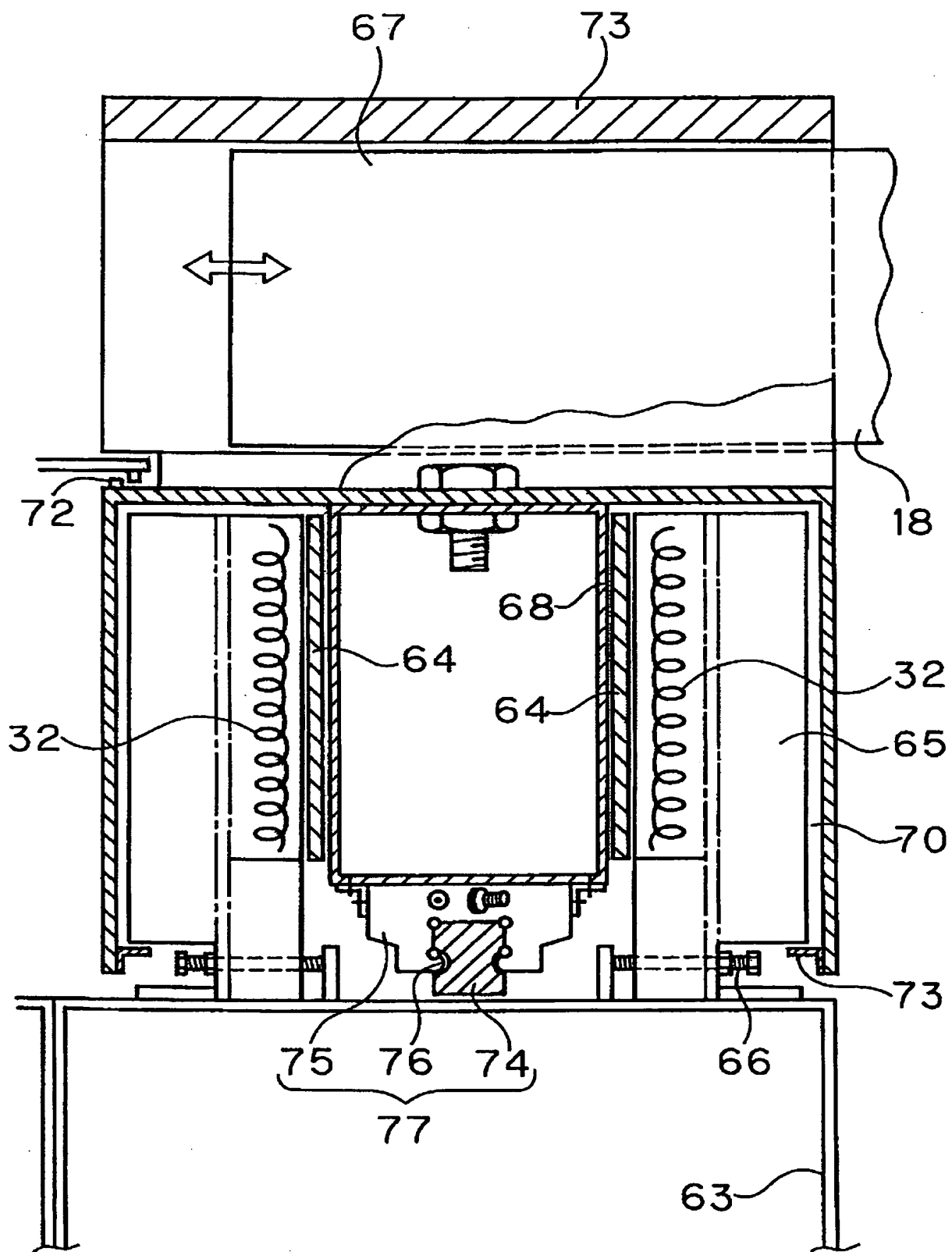
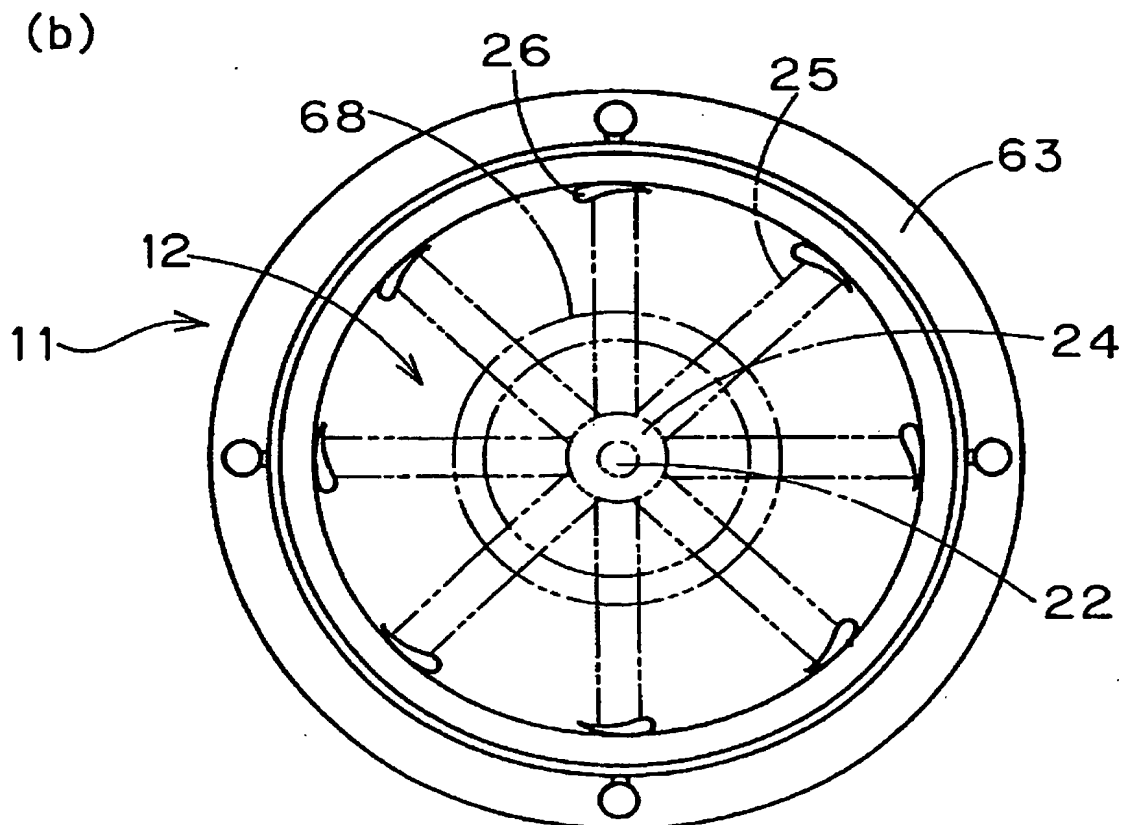
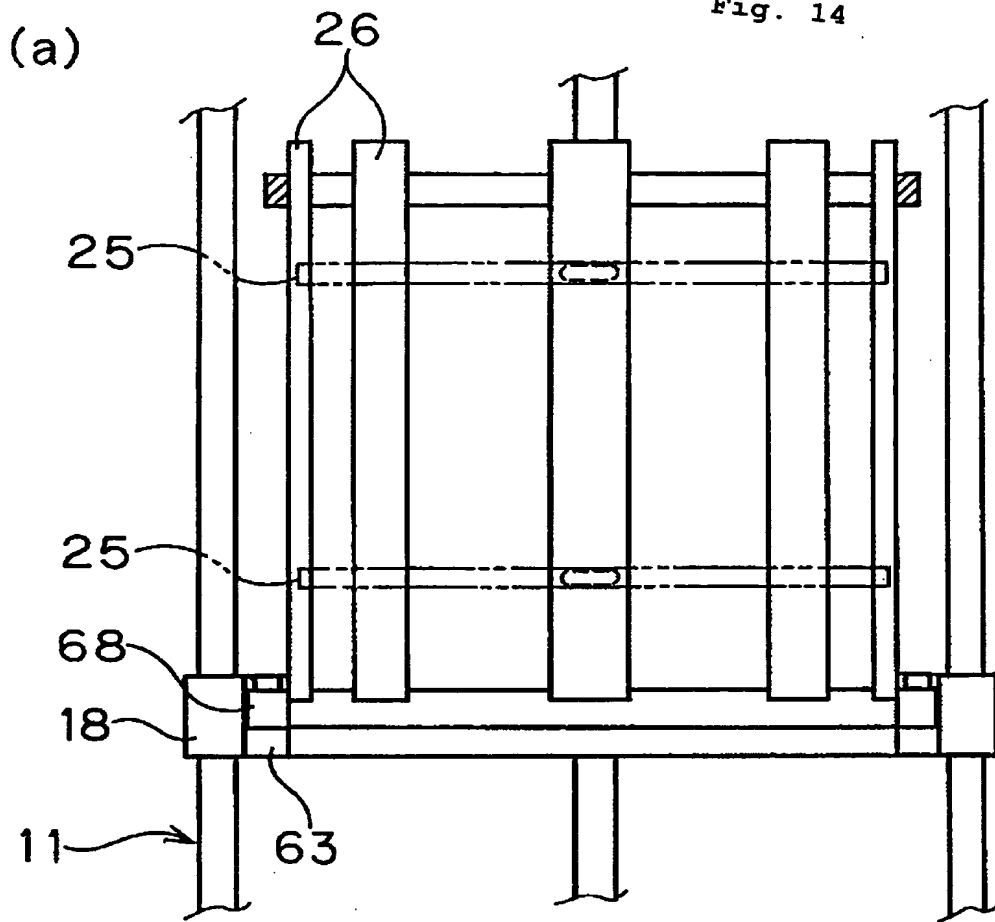
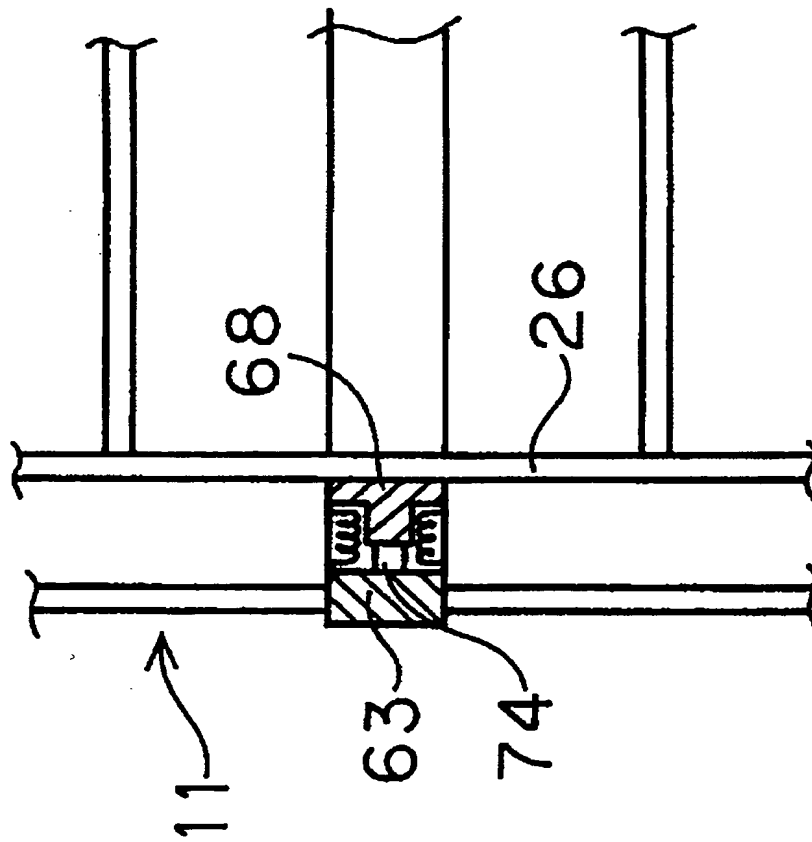


Fig. 14



(a)



(b)

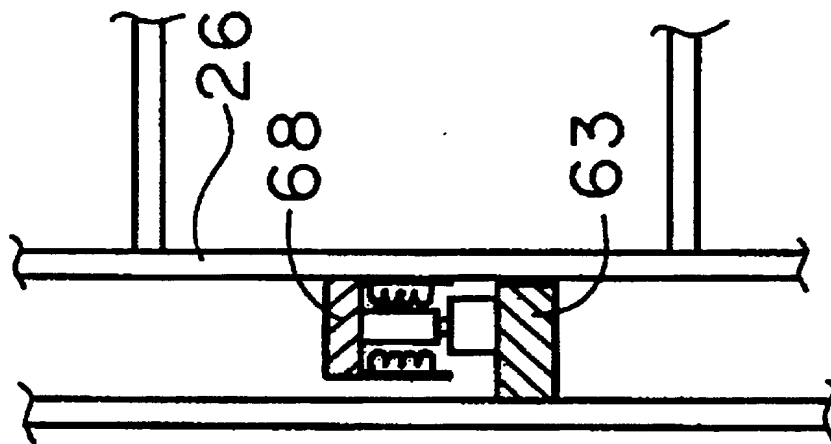


Fig. 15

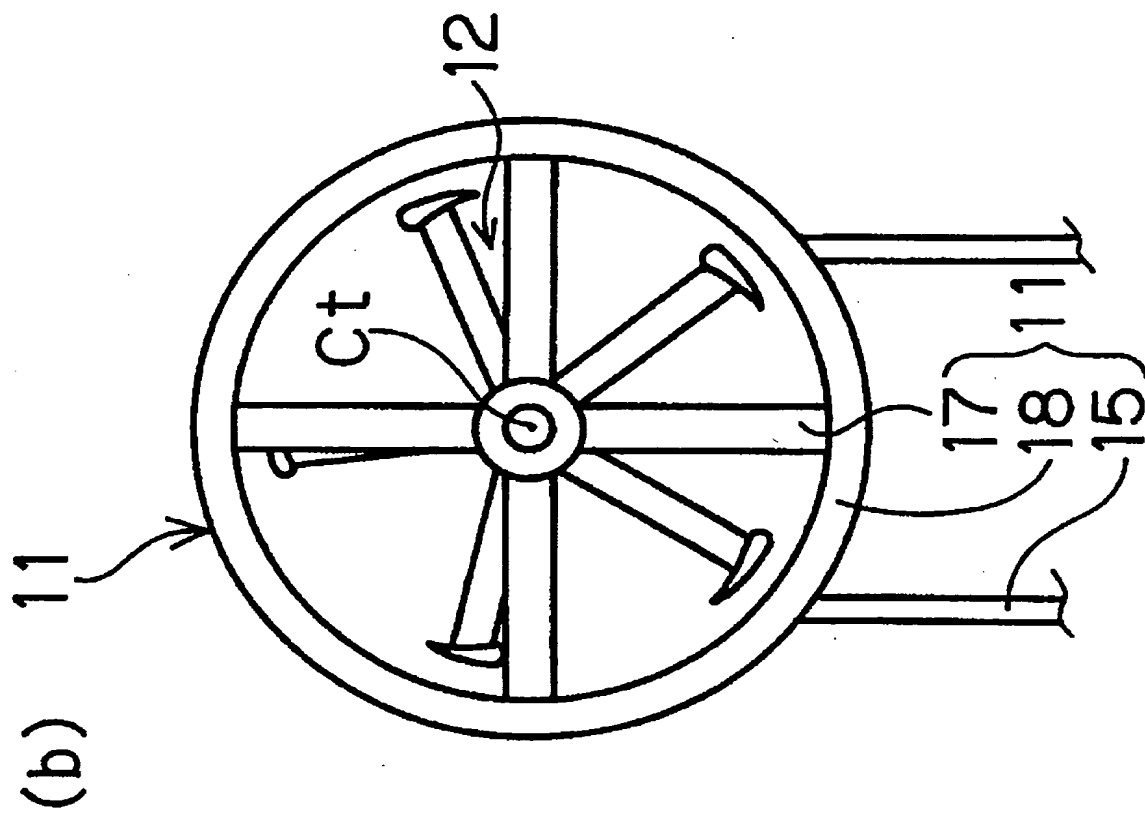
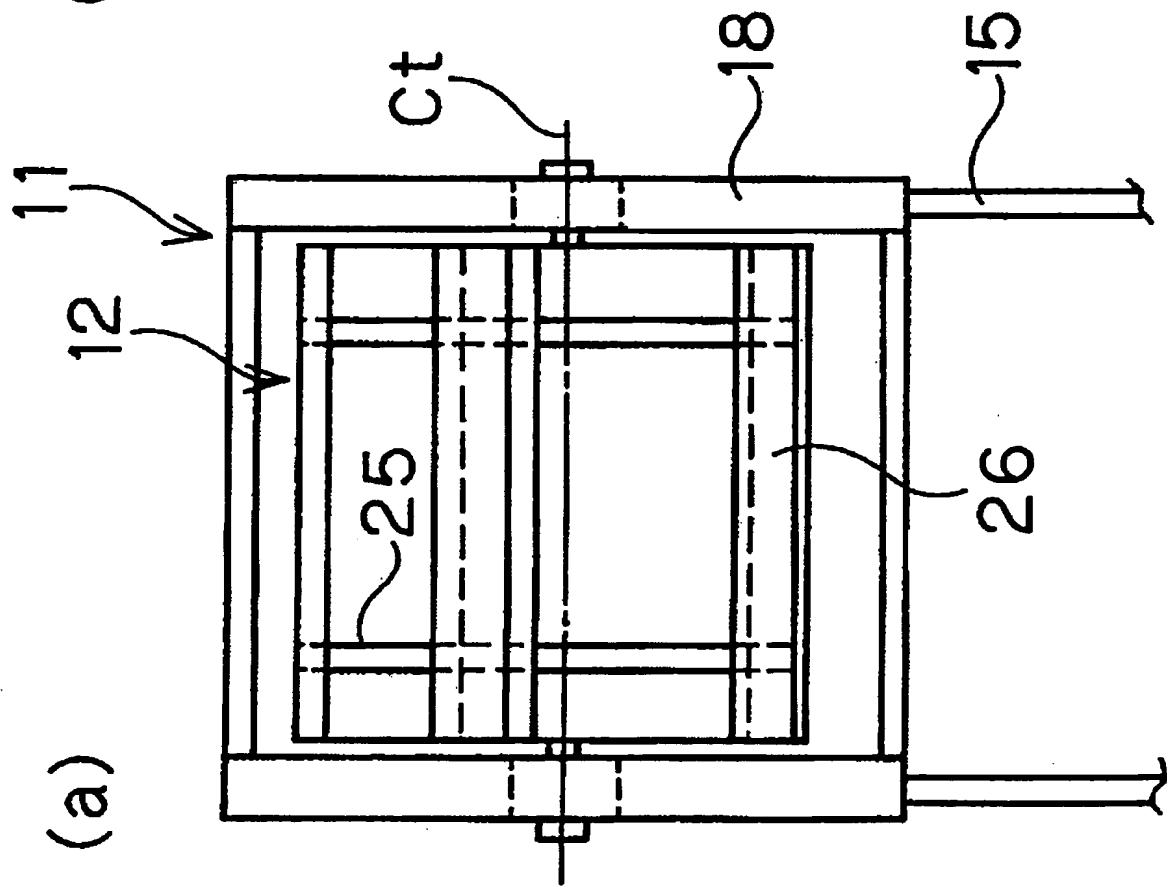


Fig. 16

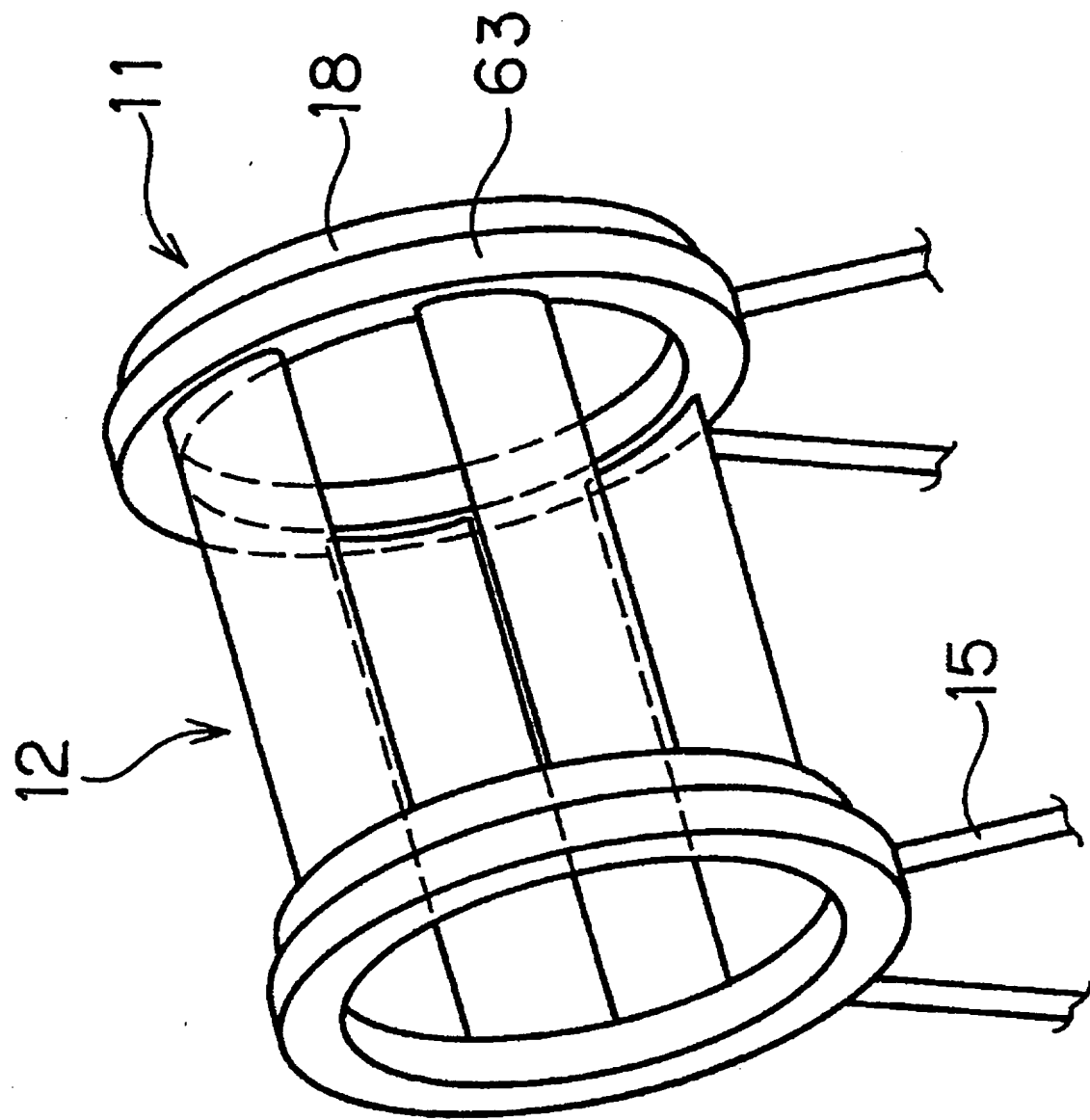


Fig. 17

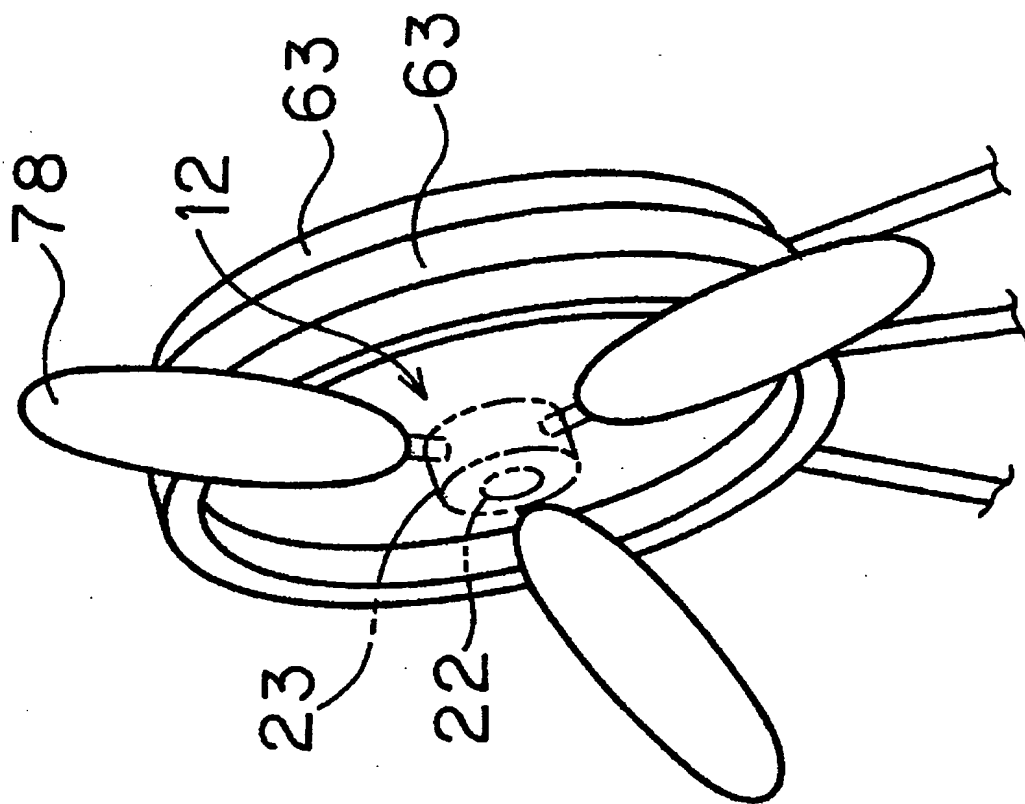


Fig. 18

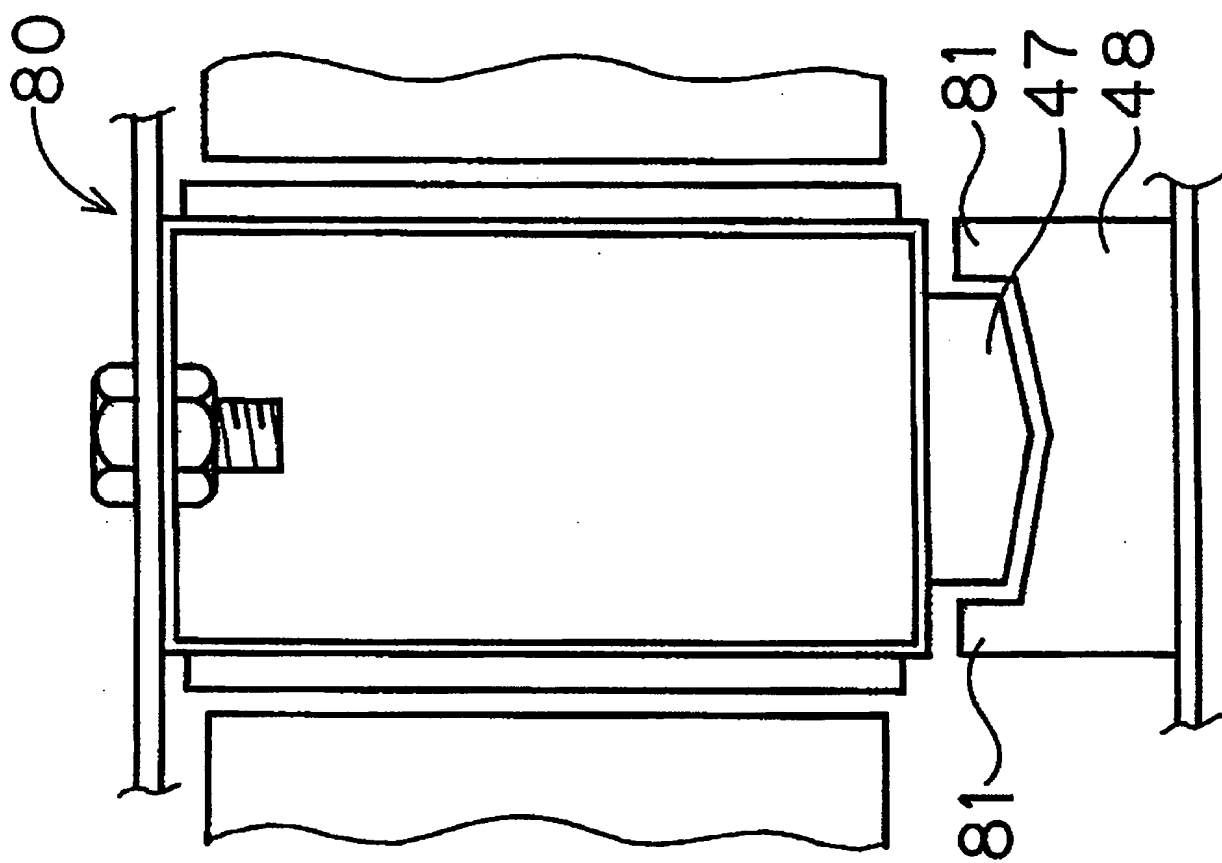
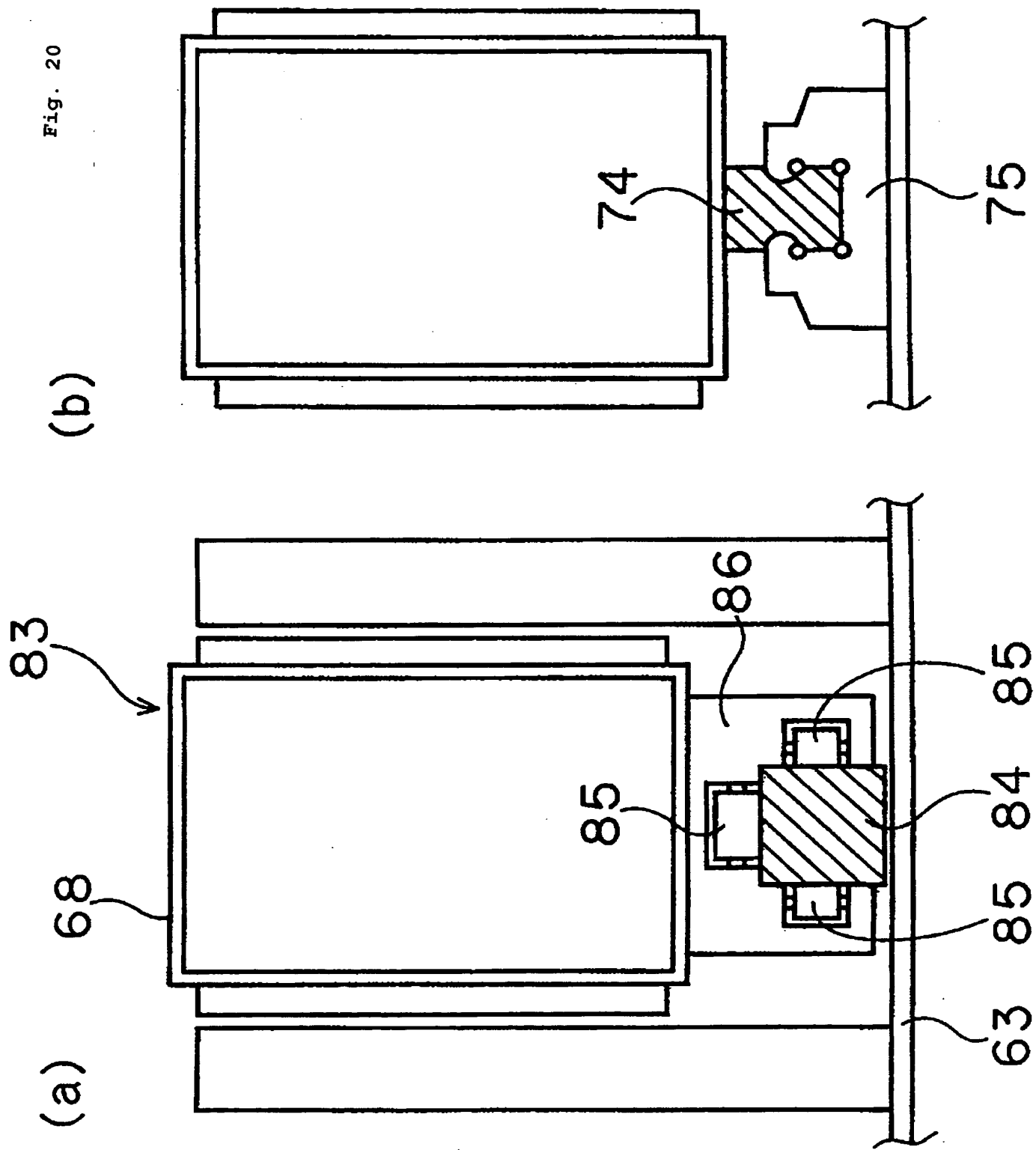


Fig. 19

Fig. 20



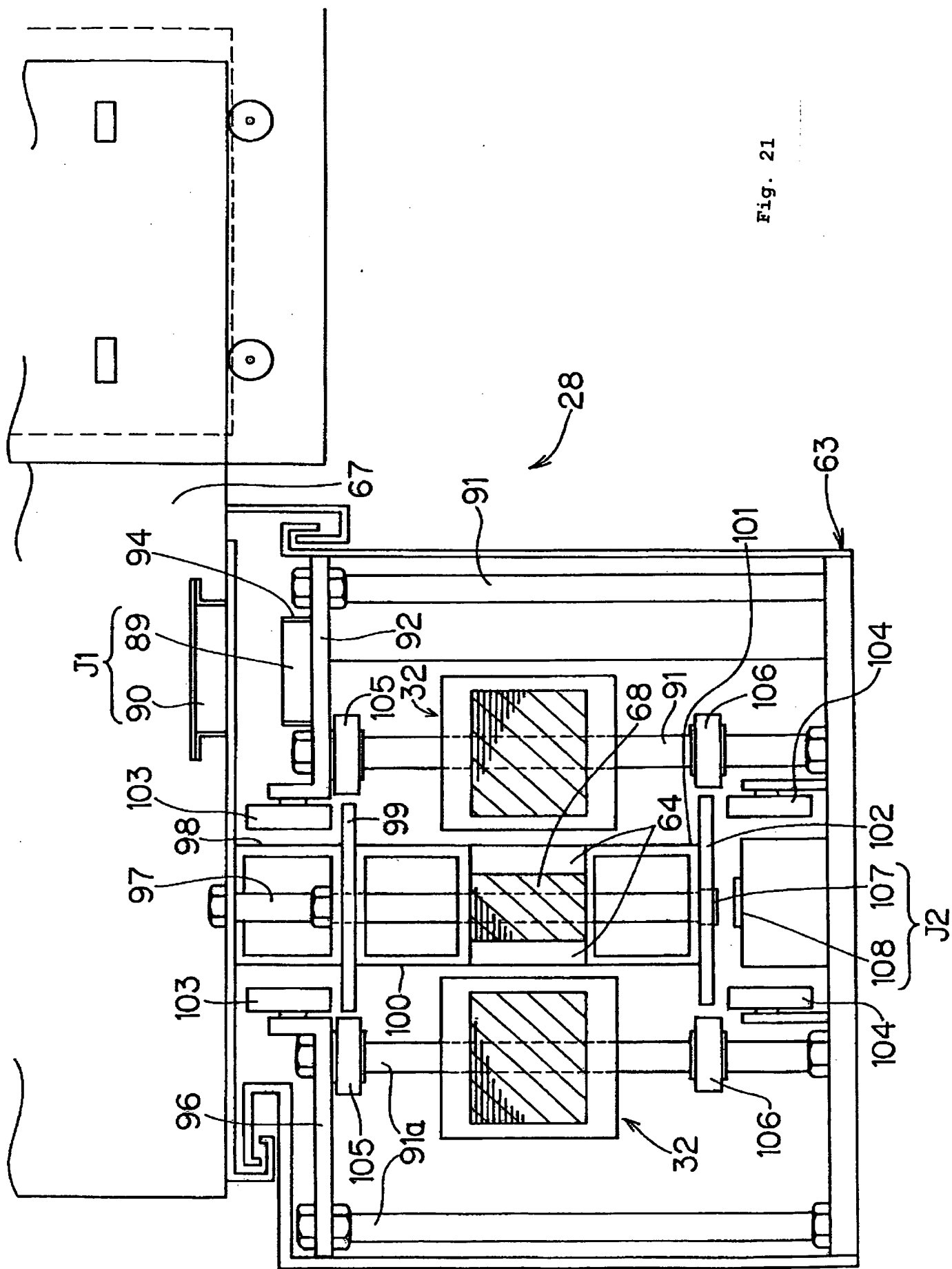
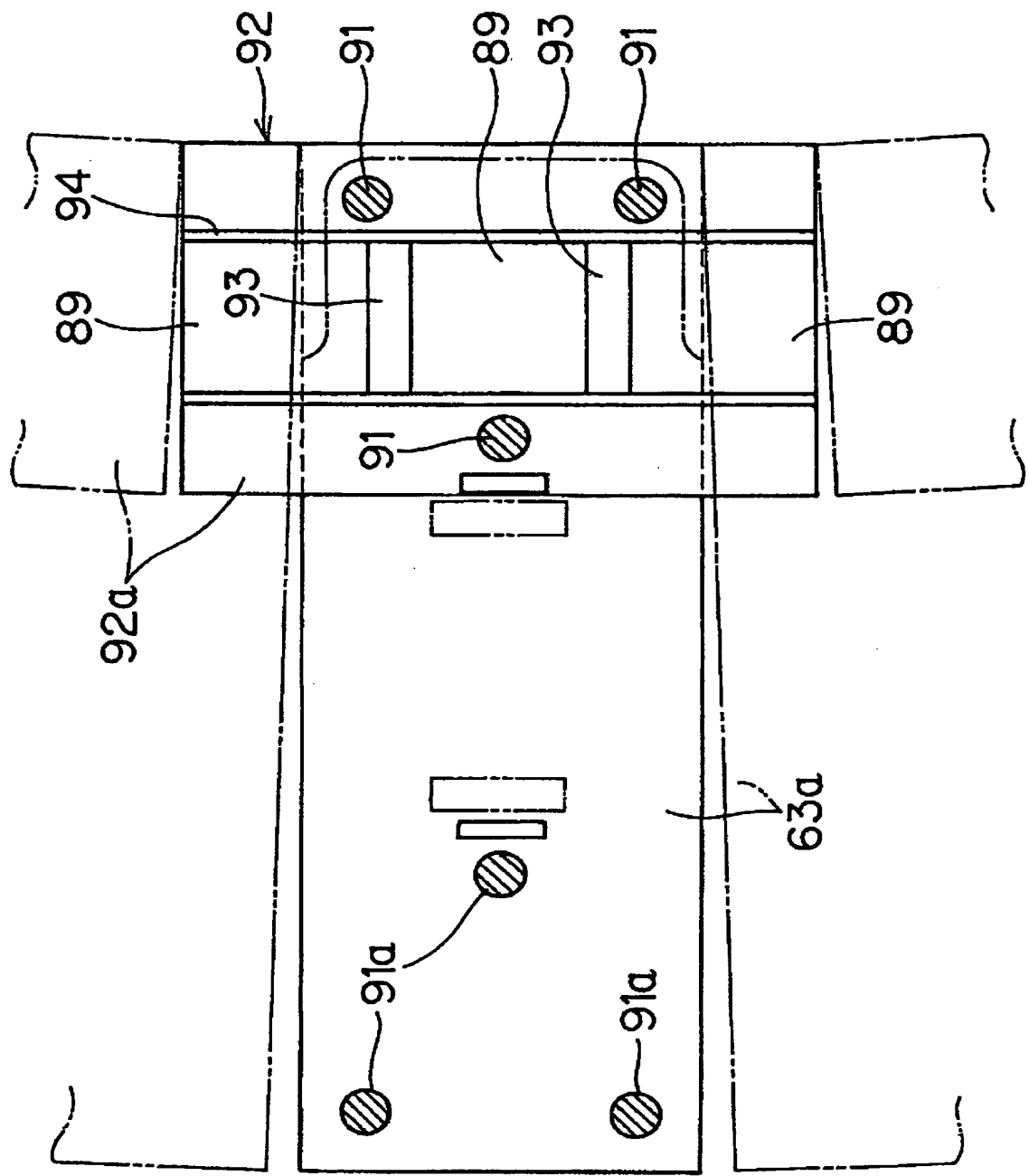


Fig. 21

Fig. 22



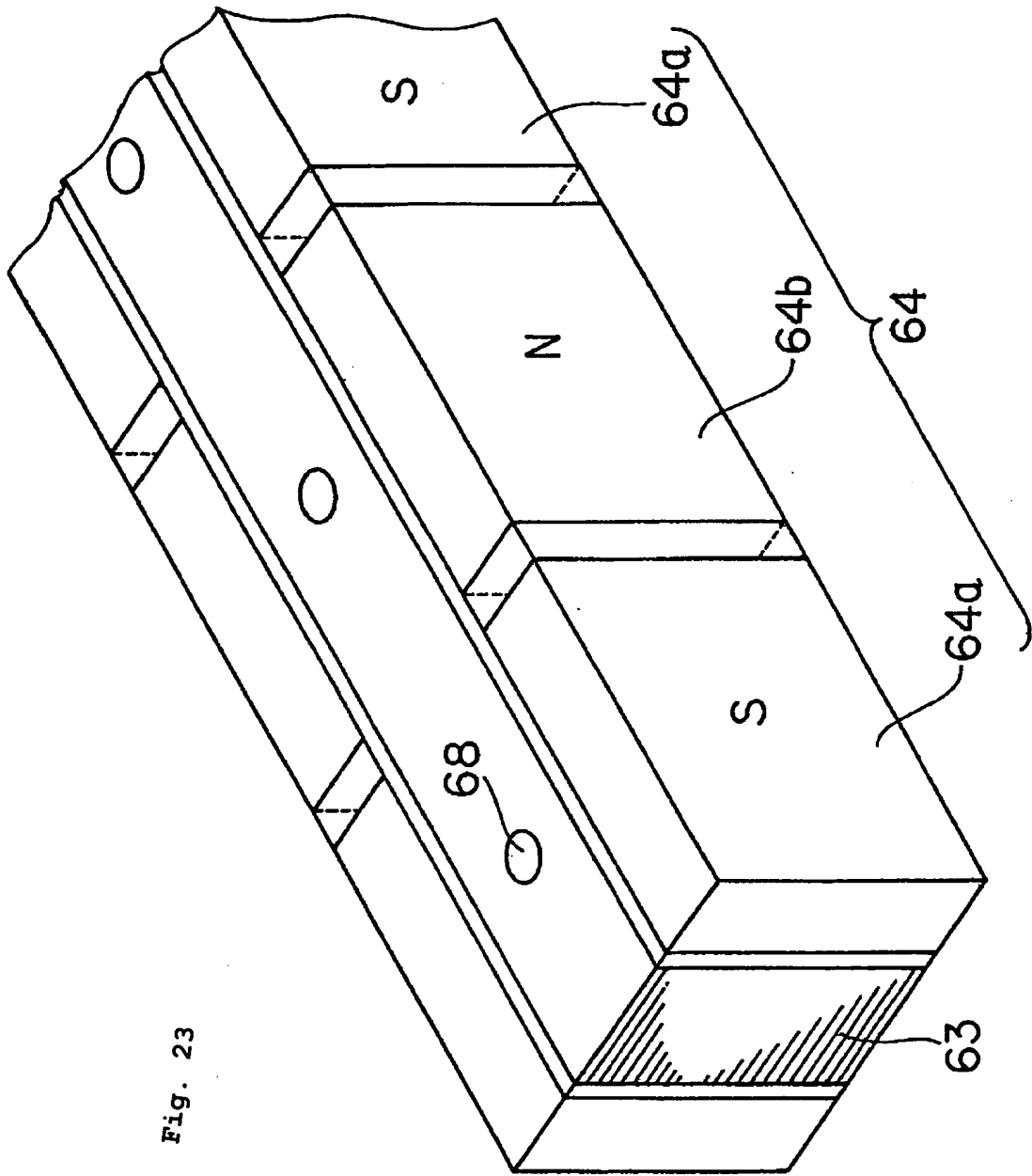


Fig. 23

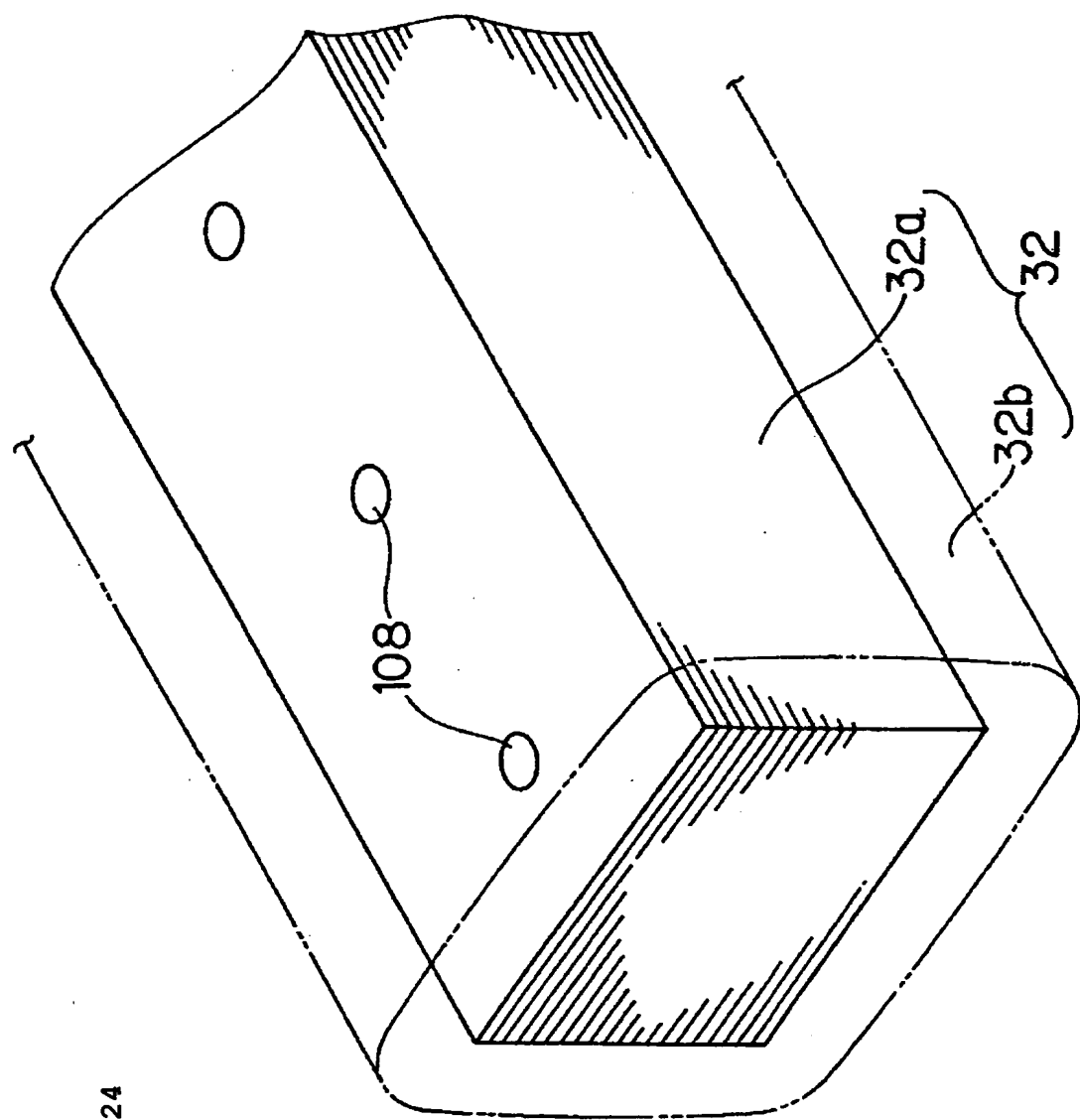


Fig. 24

Fig. 25

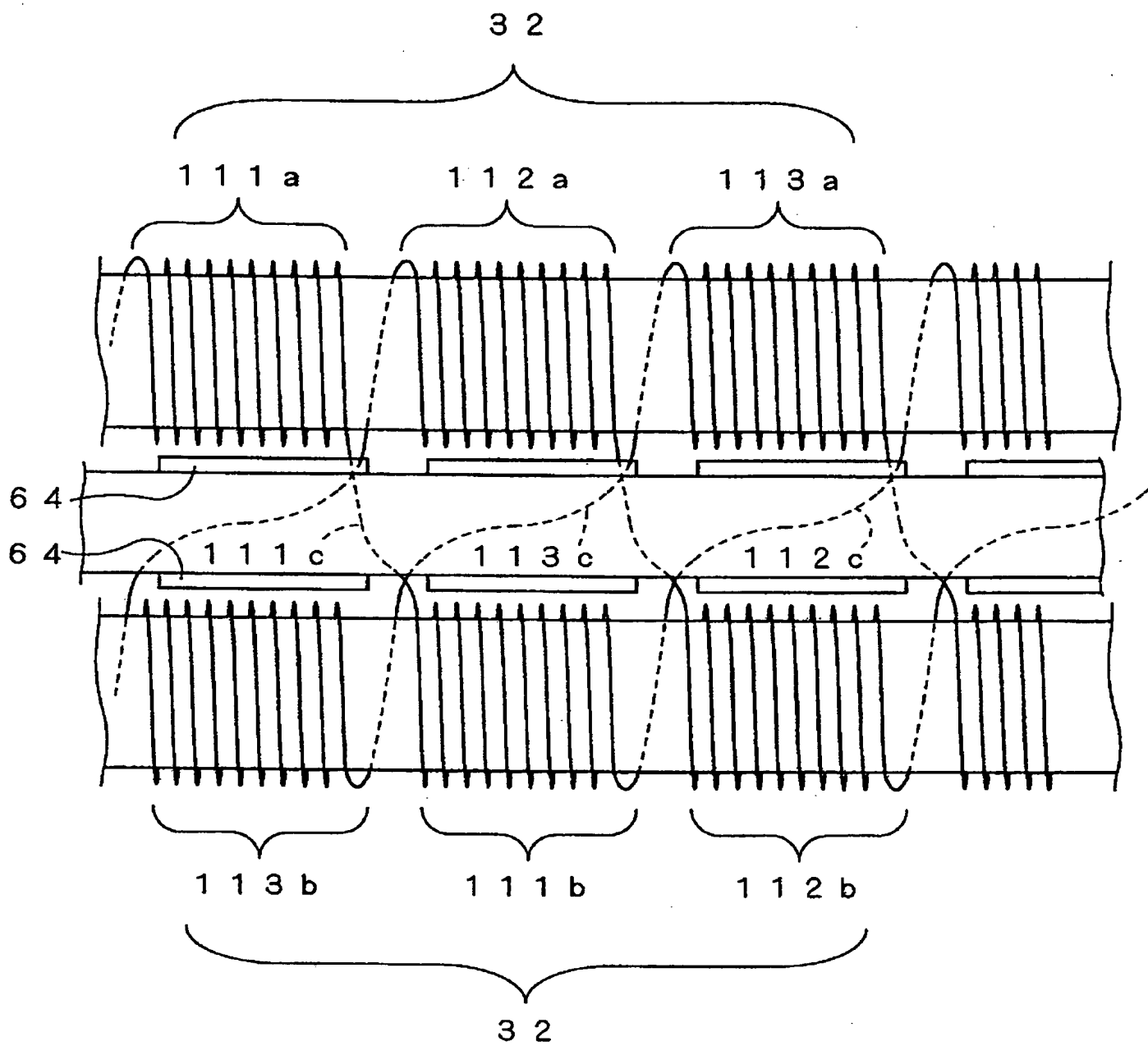


Fig. 26

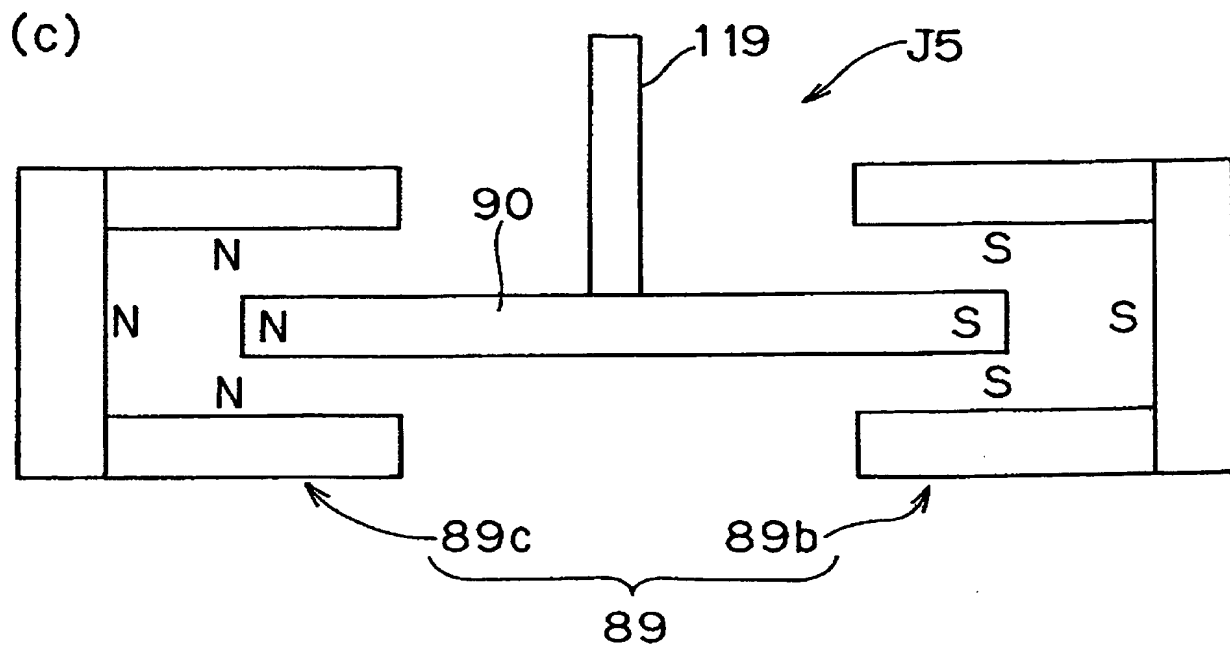
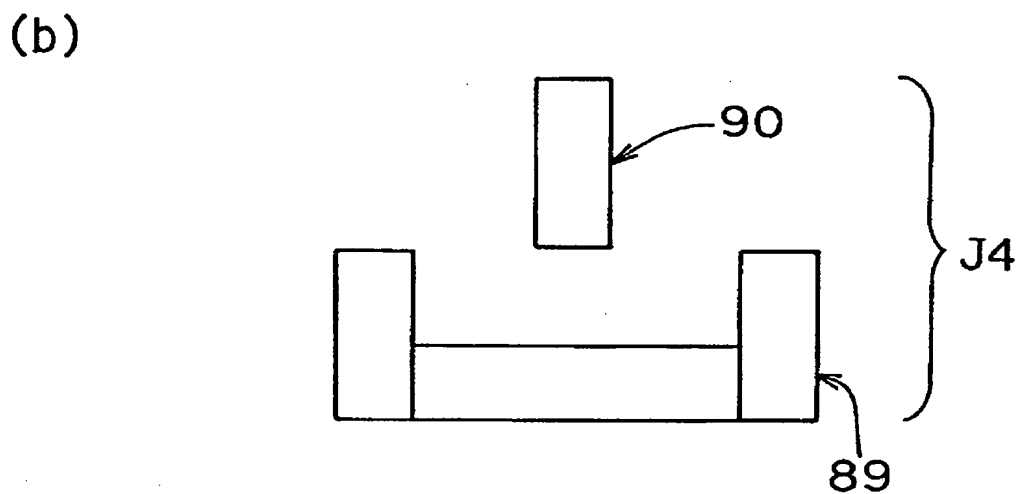
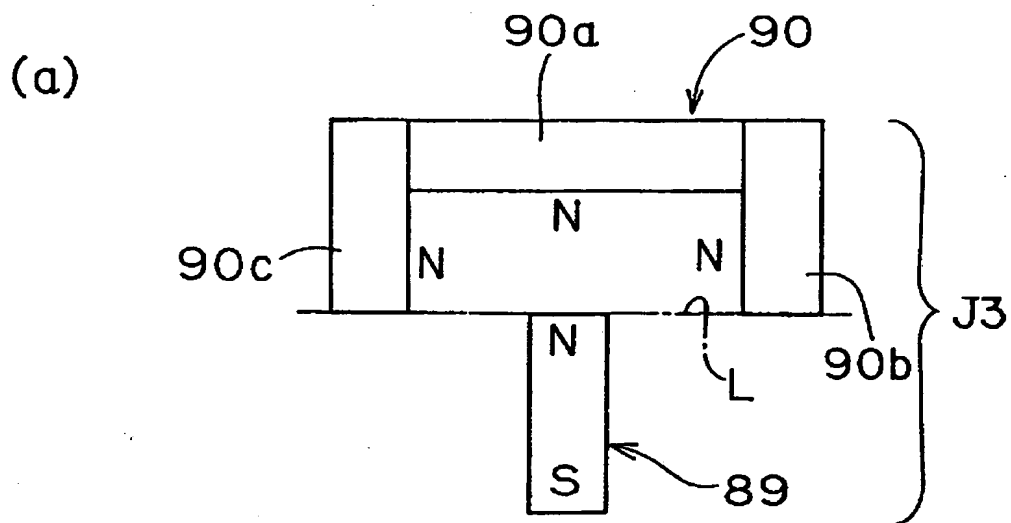
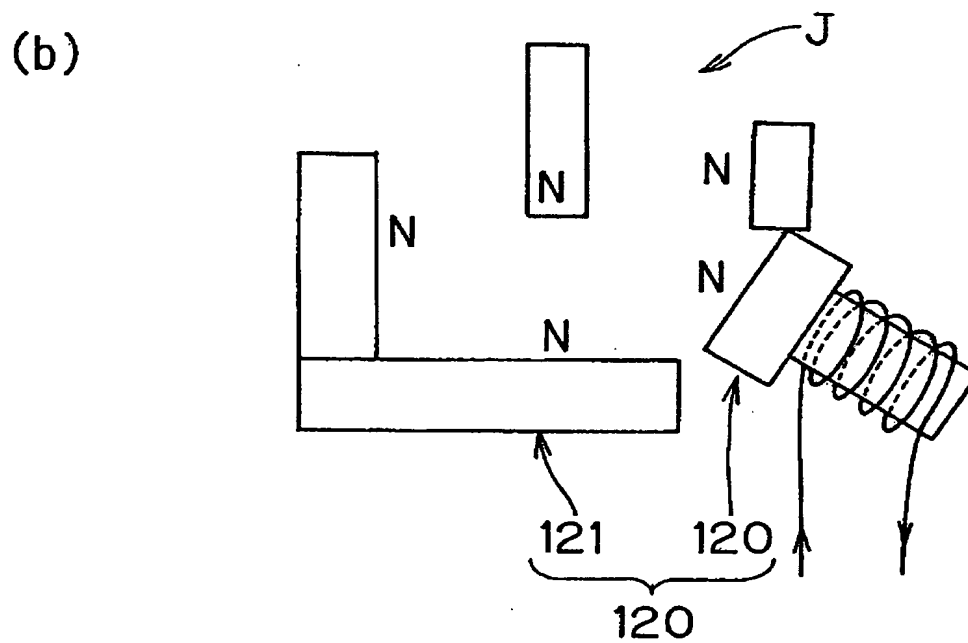
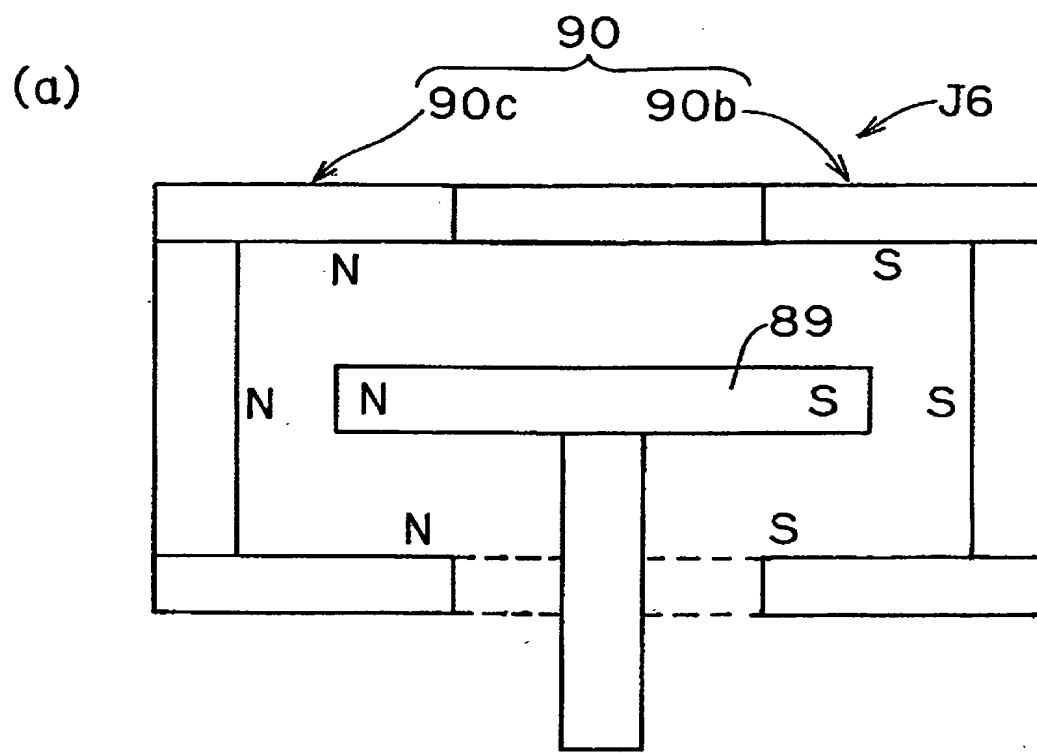


Fig. 27



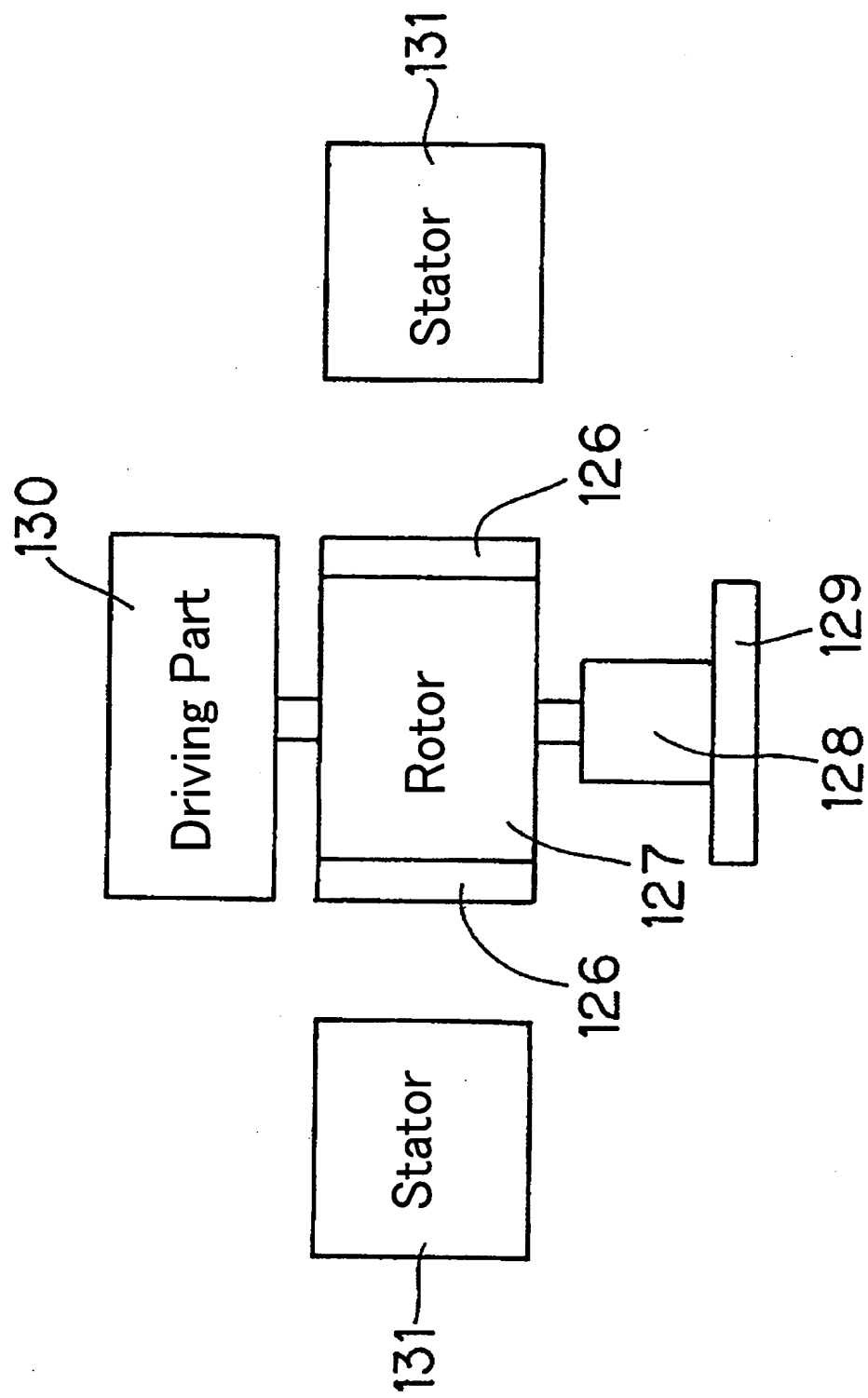


Fig. 28

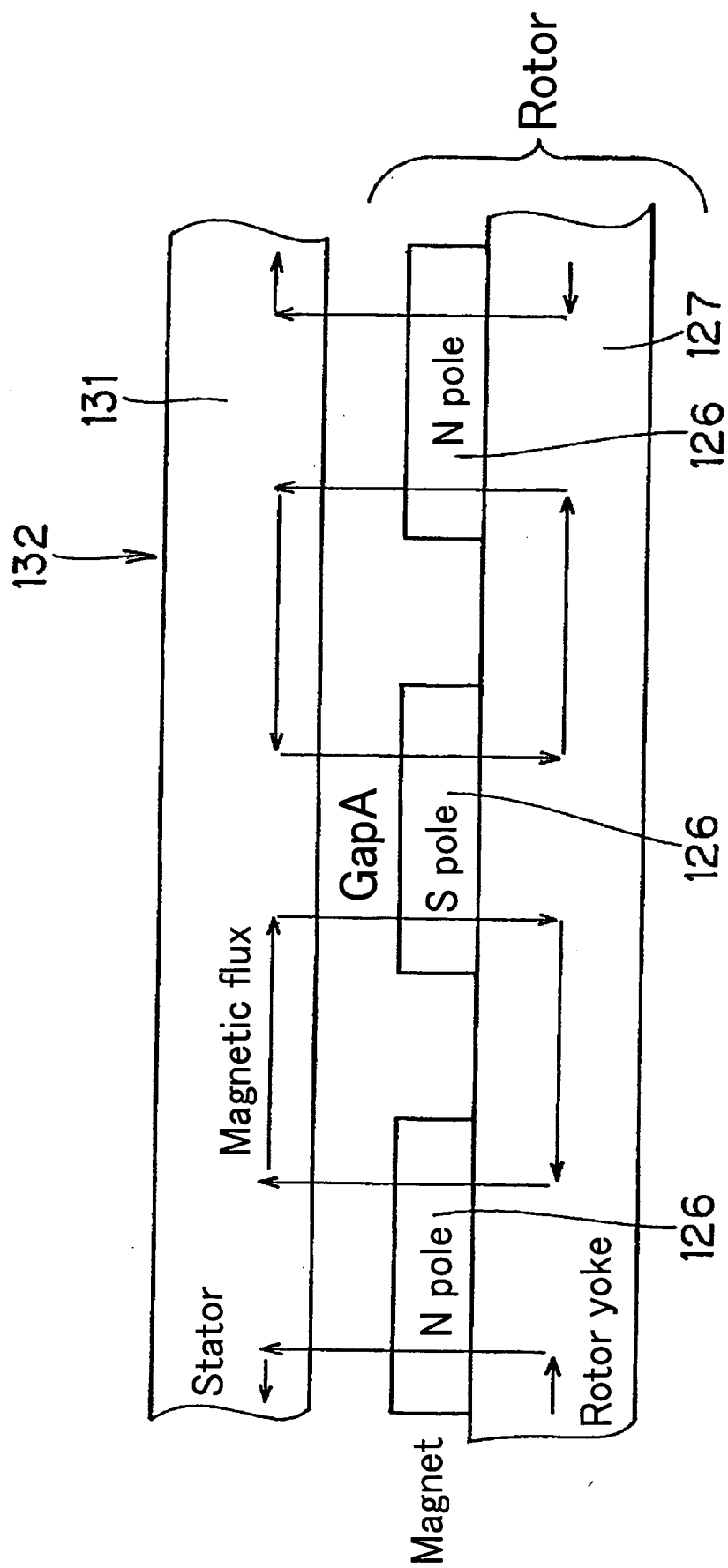


Fig. 29

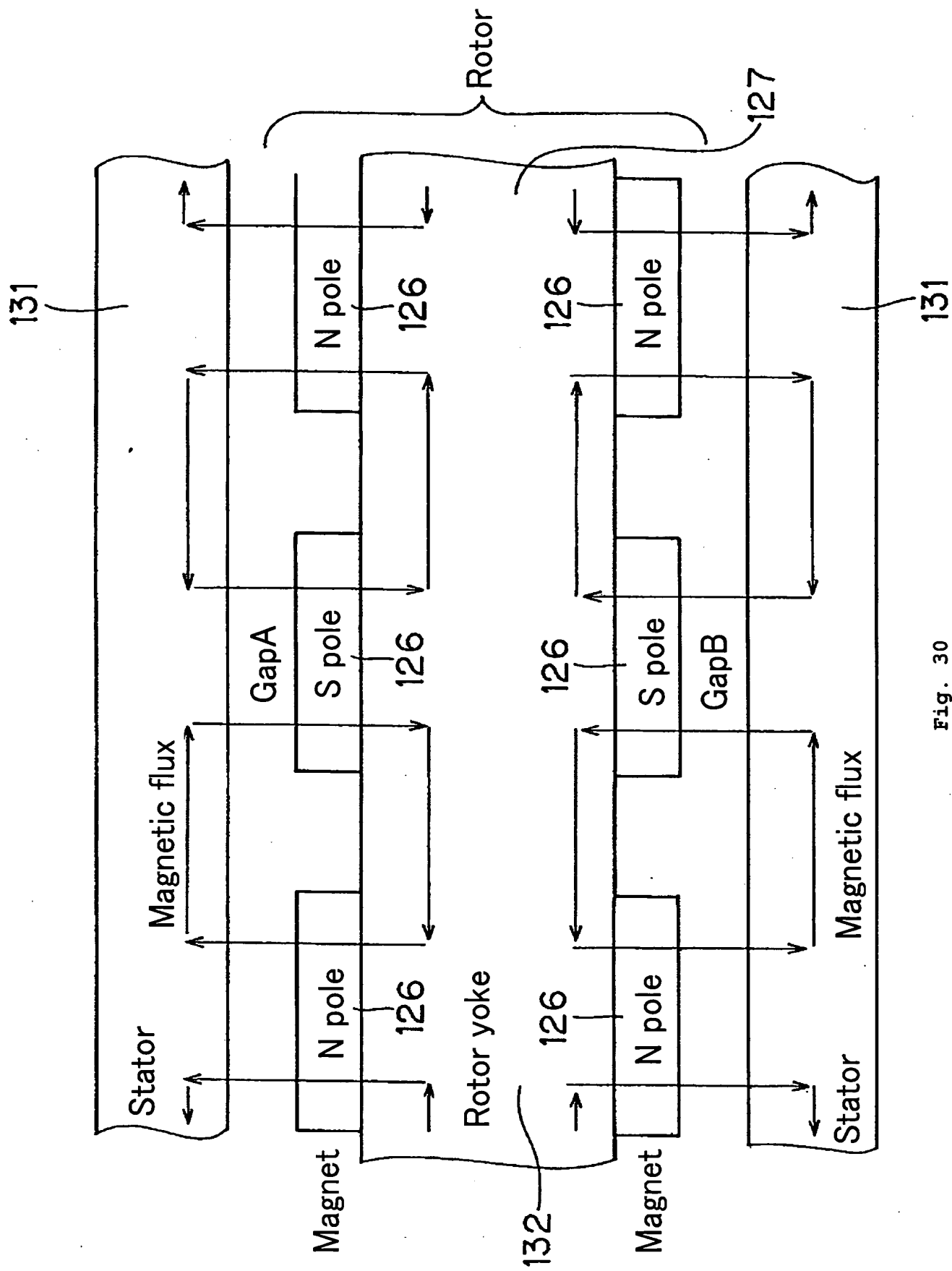
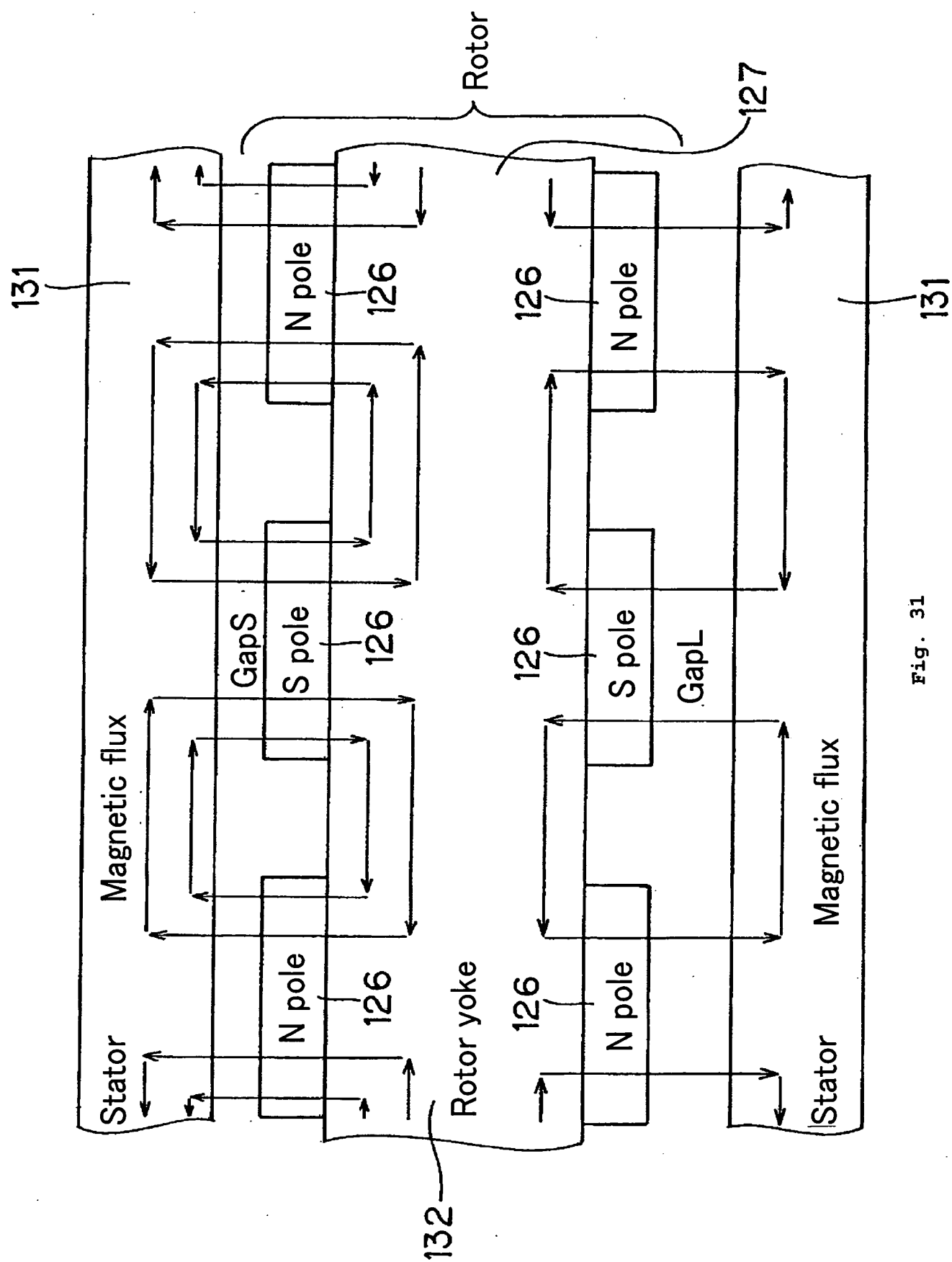


Fig. 30



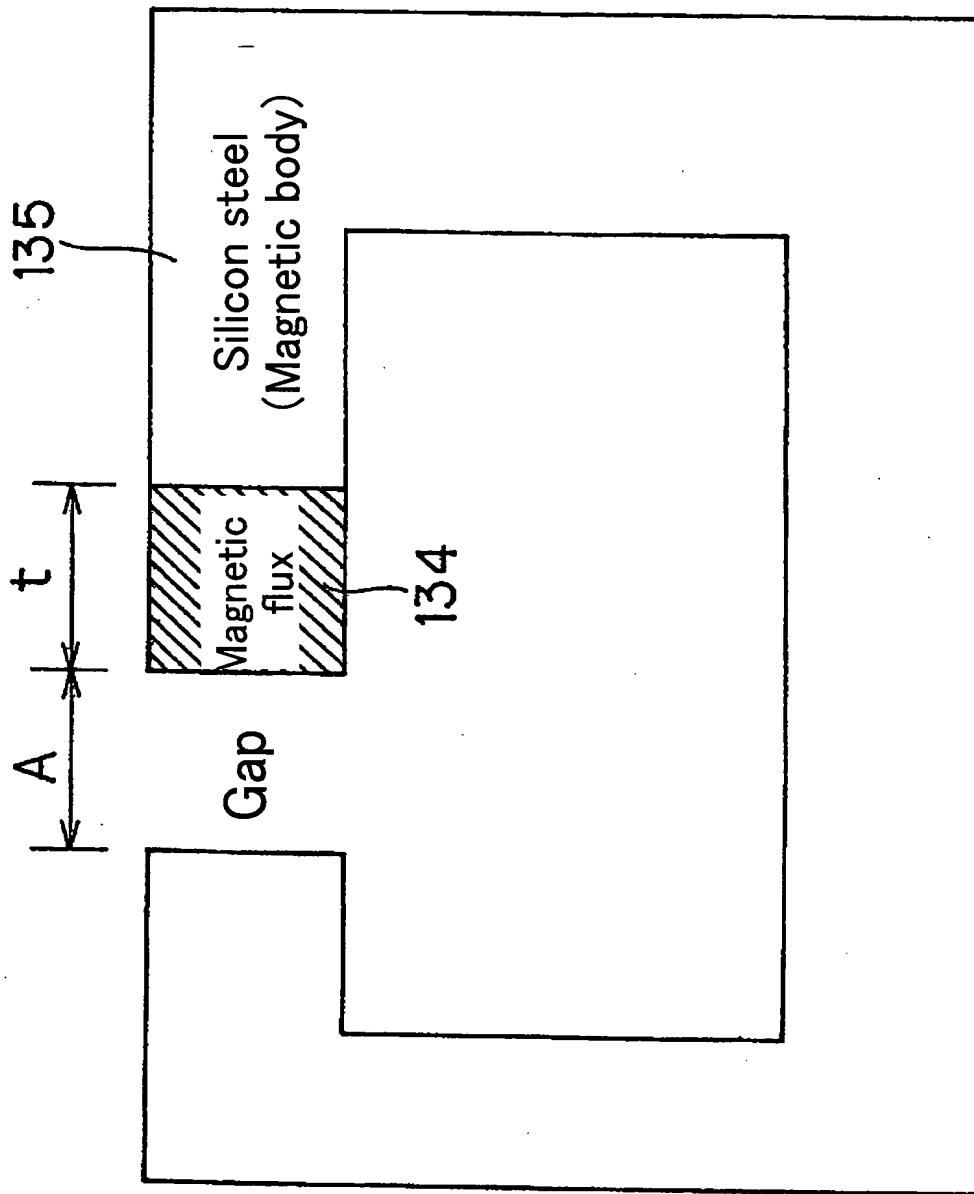


Fig. 32

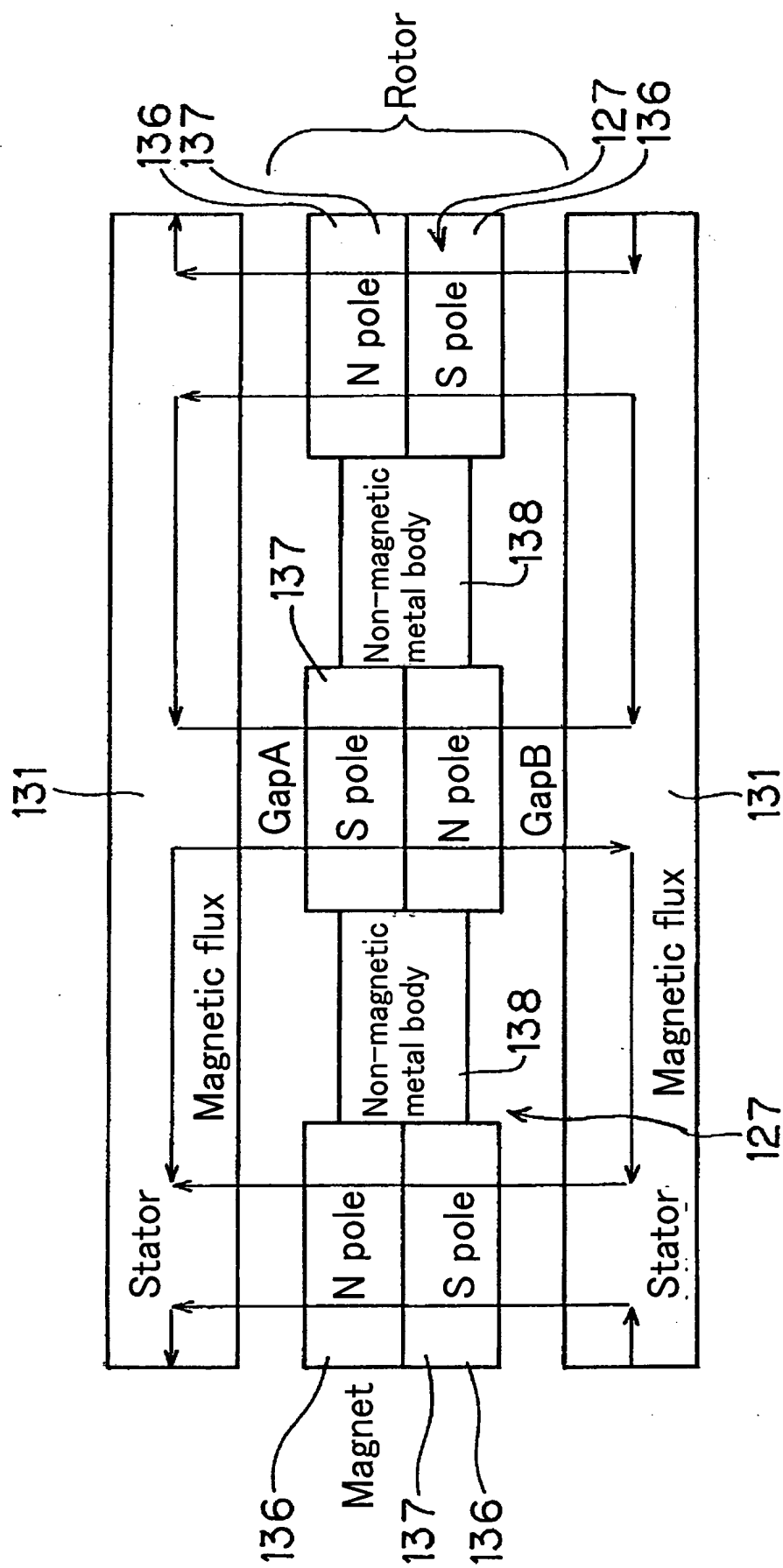


Fig. 33

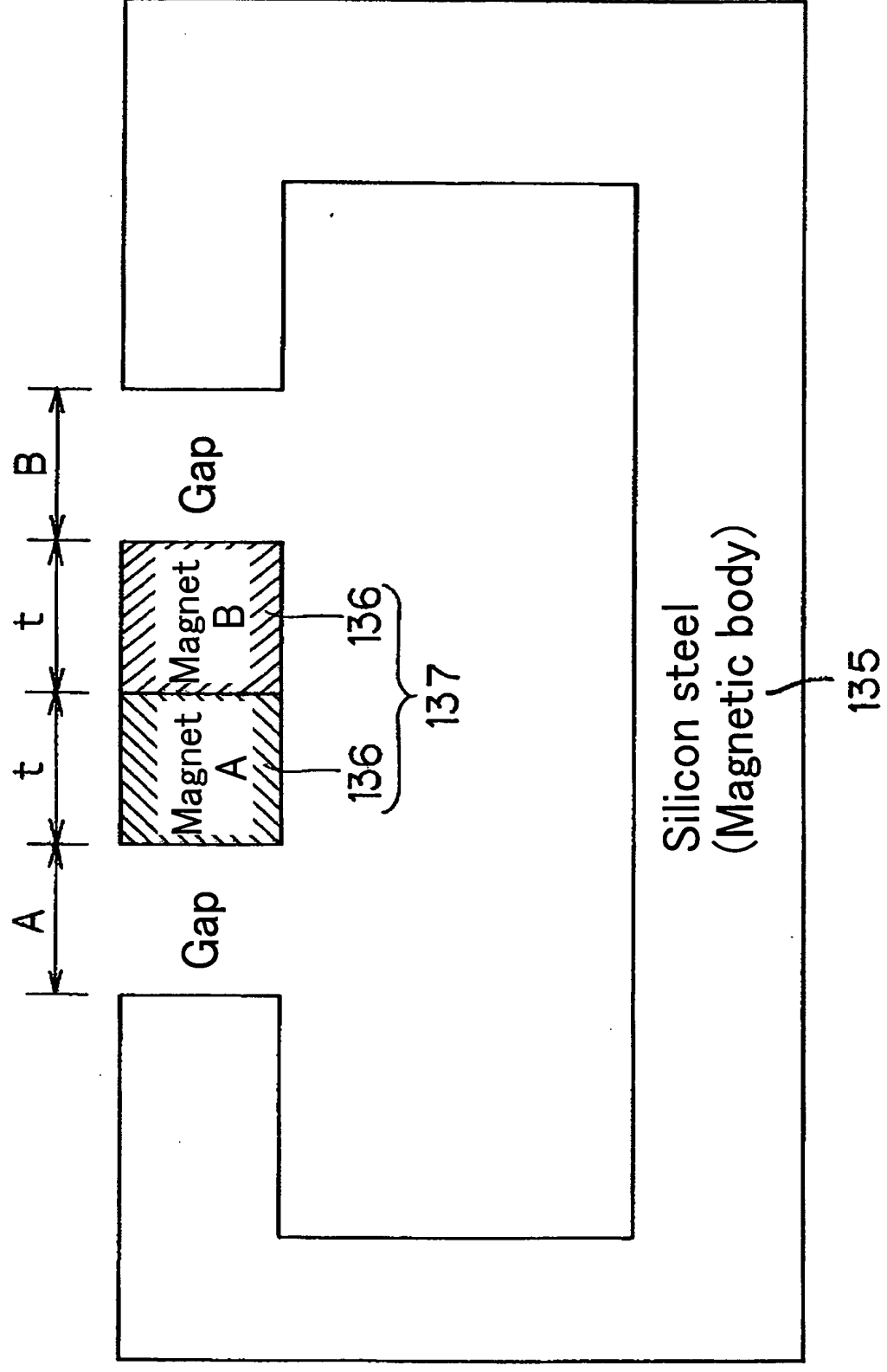


Fig. 34

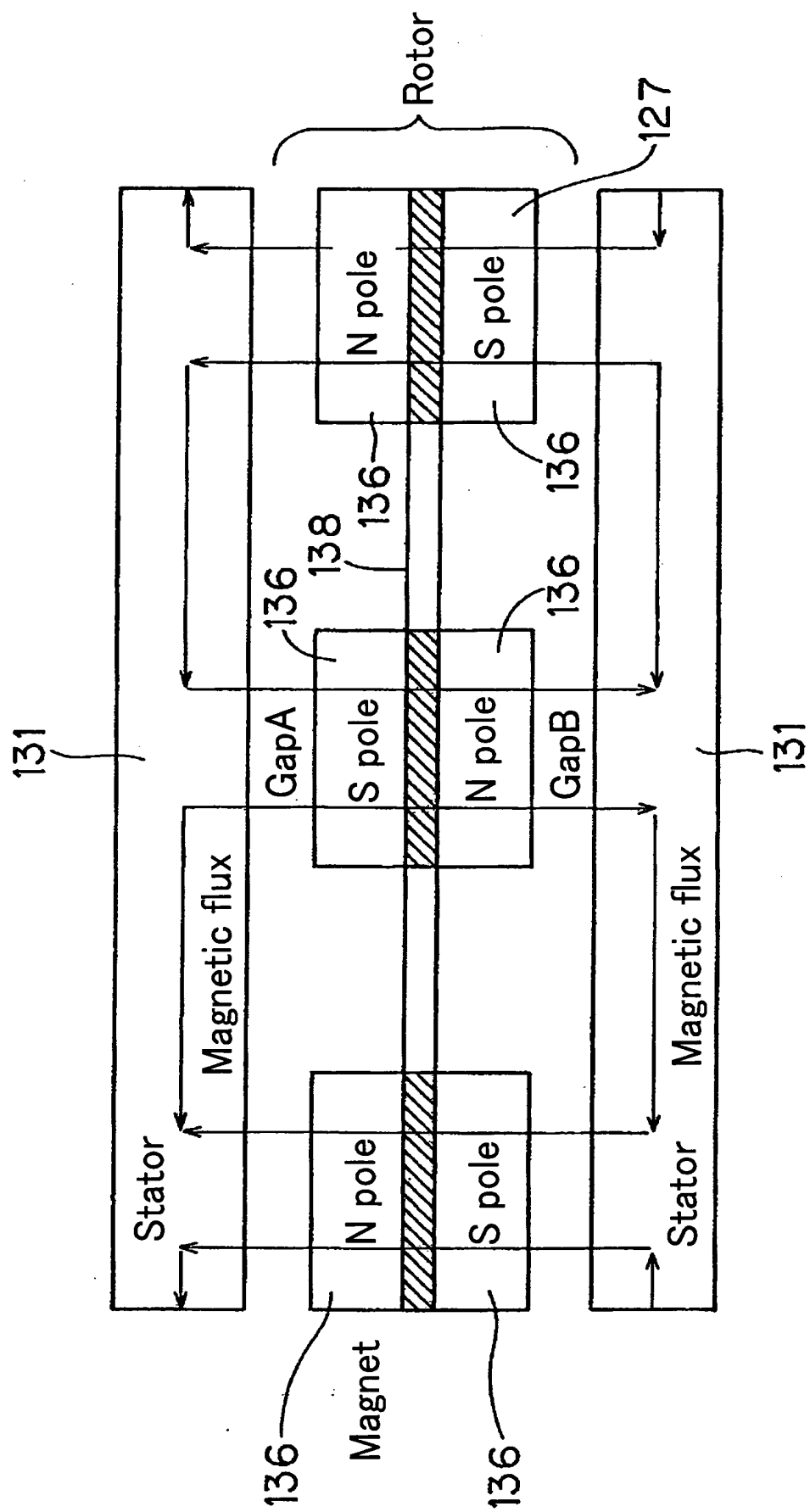
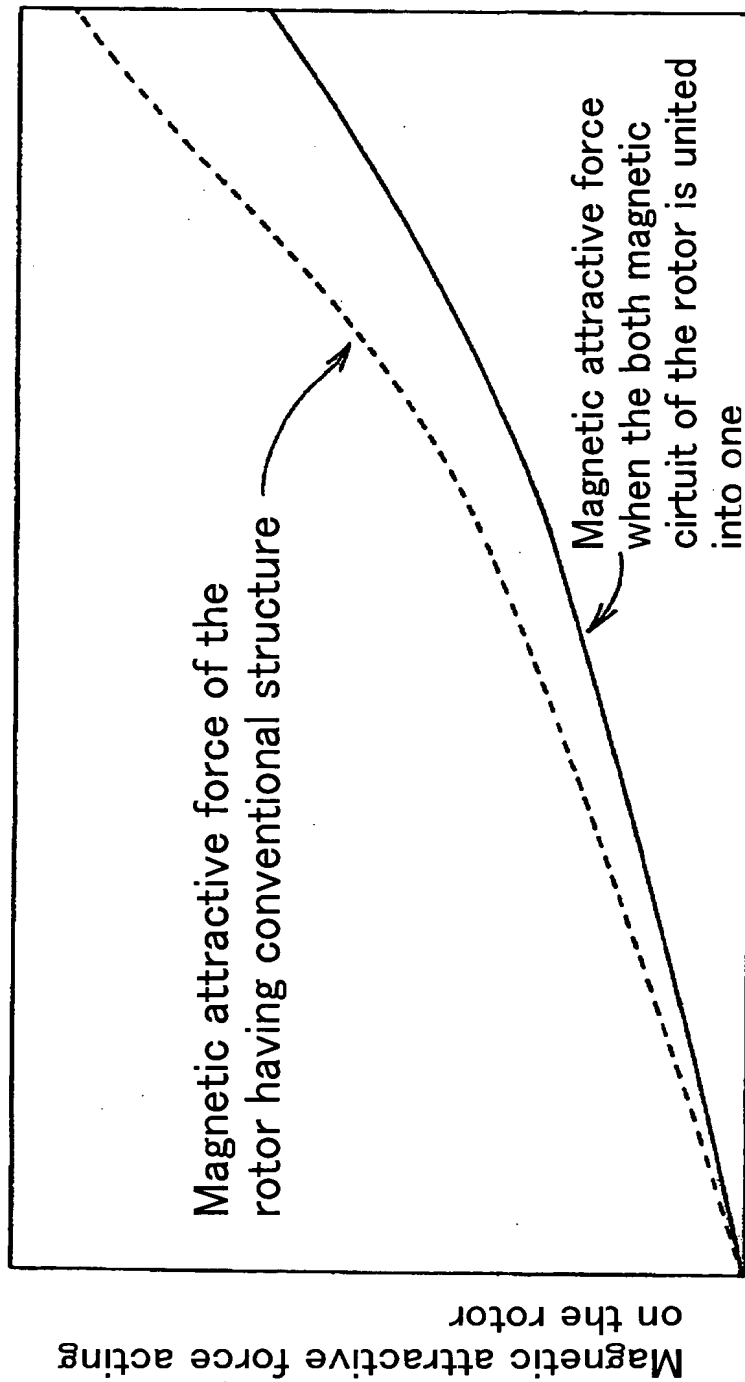


Fig. 35



Eccentricity of the shaft

Fig. 36

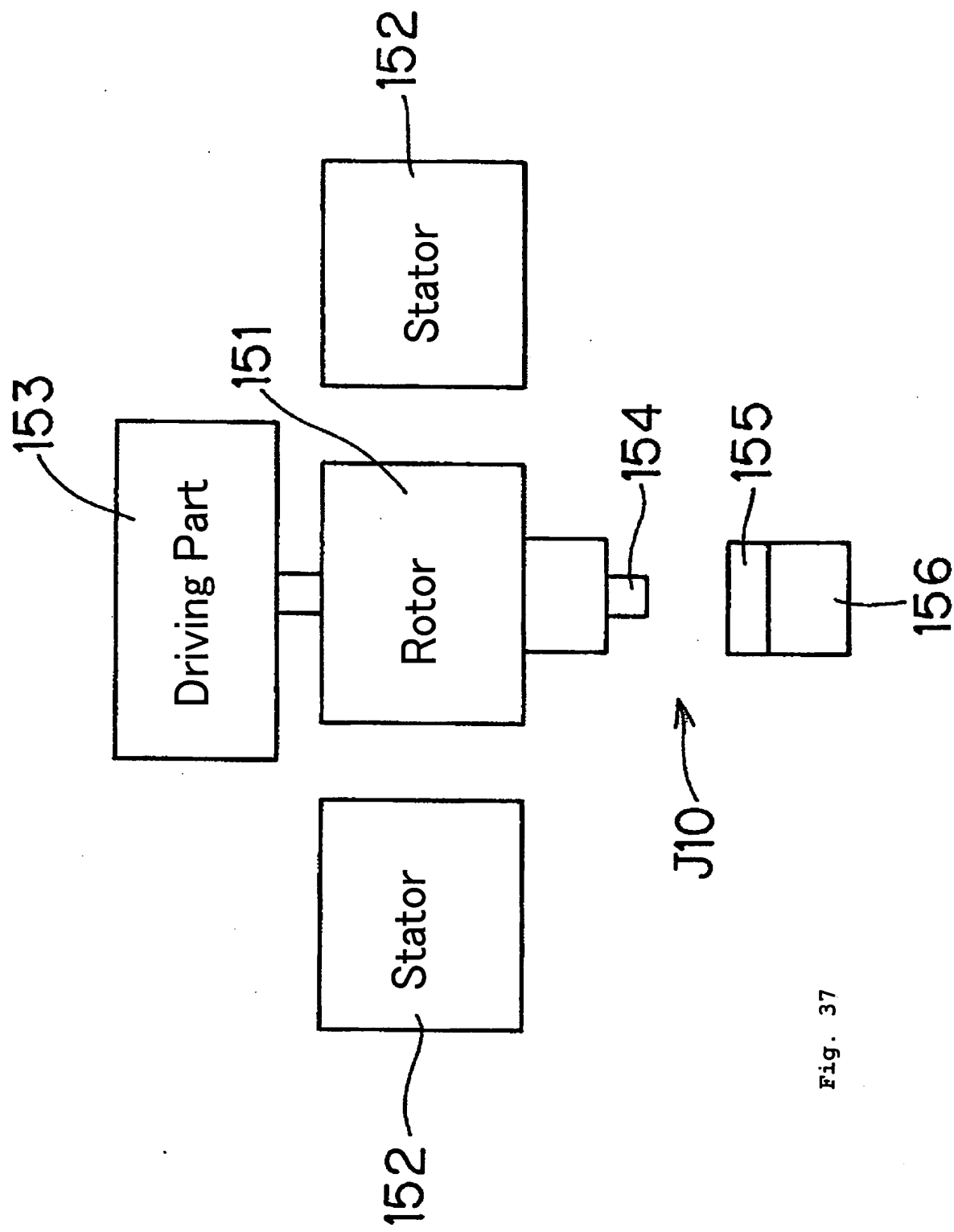
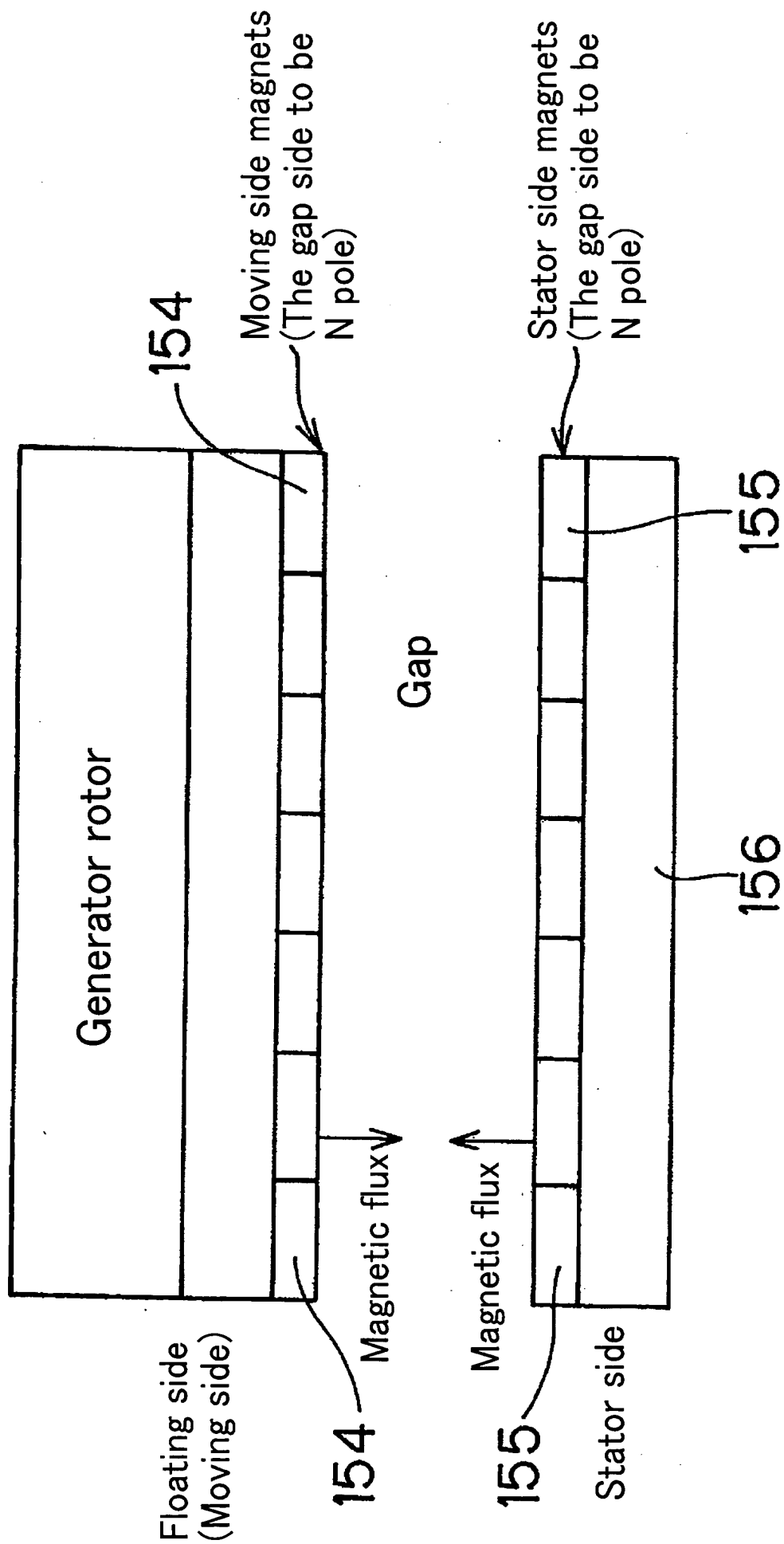


Fig. 37

Fig. 38



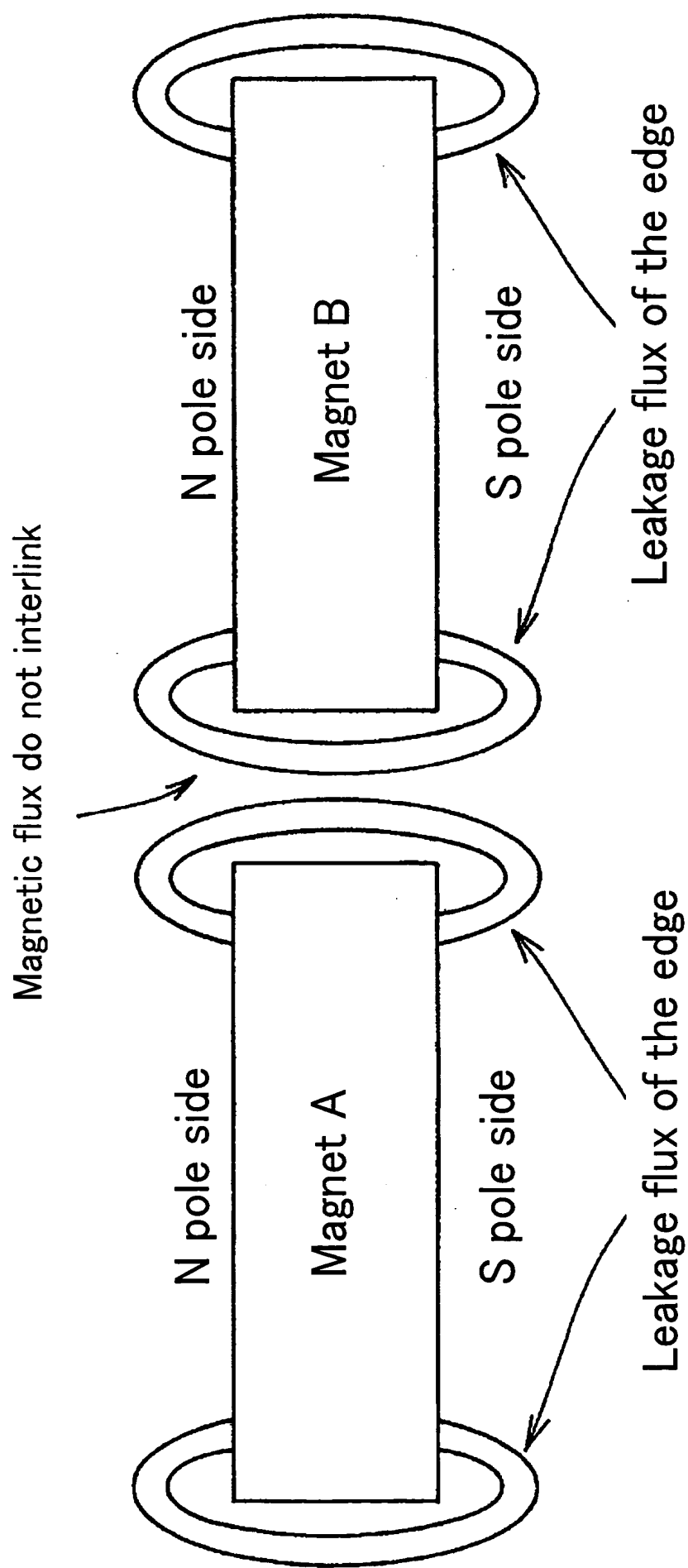


Fig. 39

Fig. 40

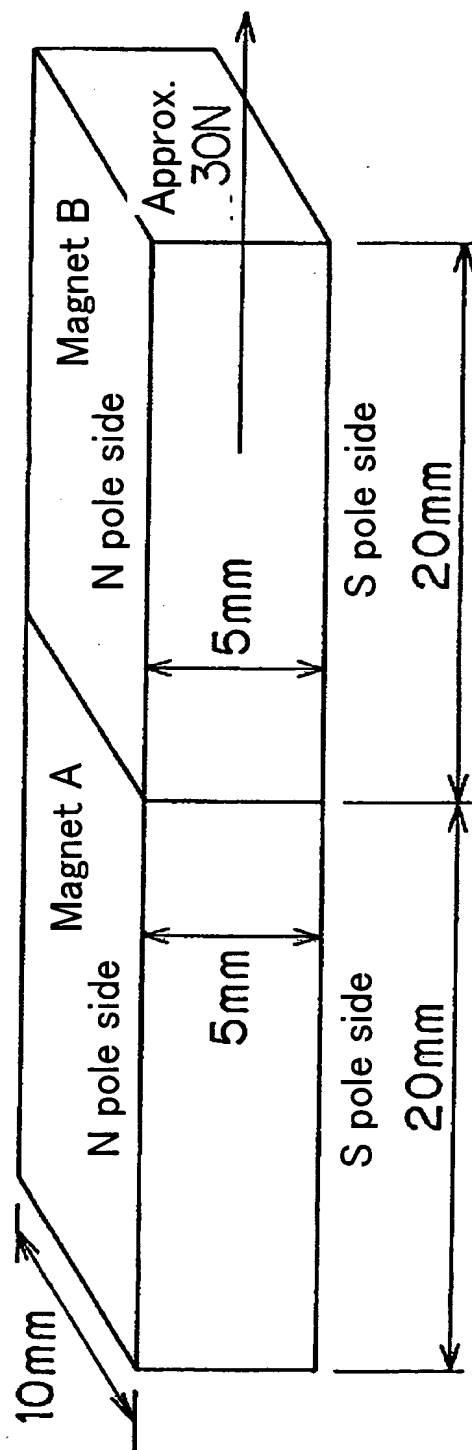


Fig. 41

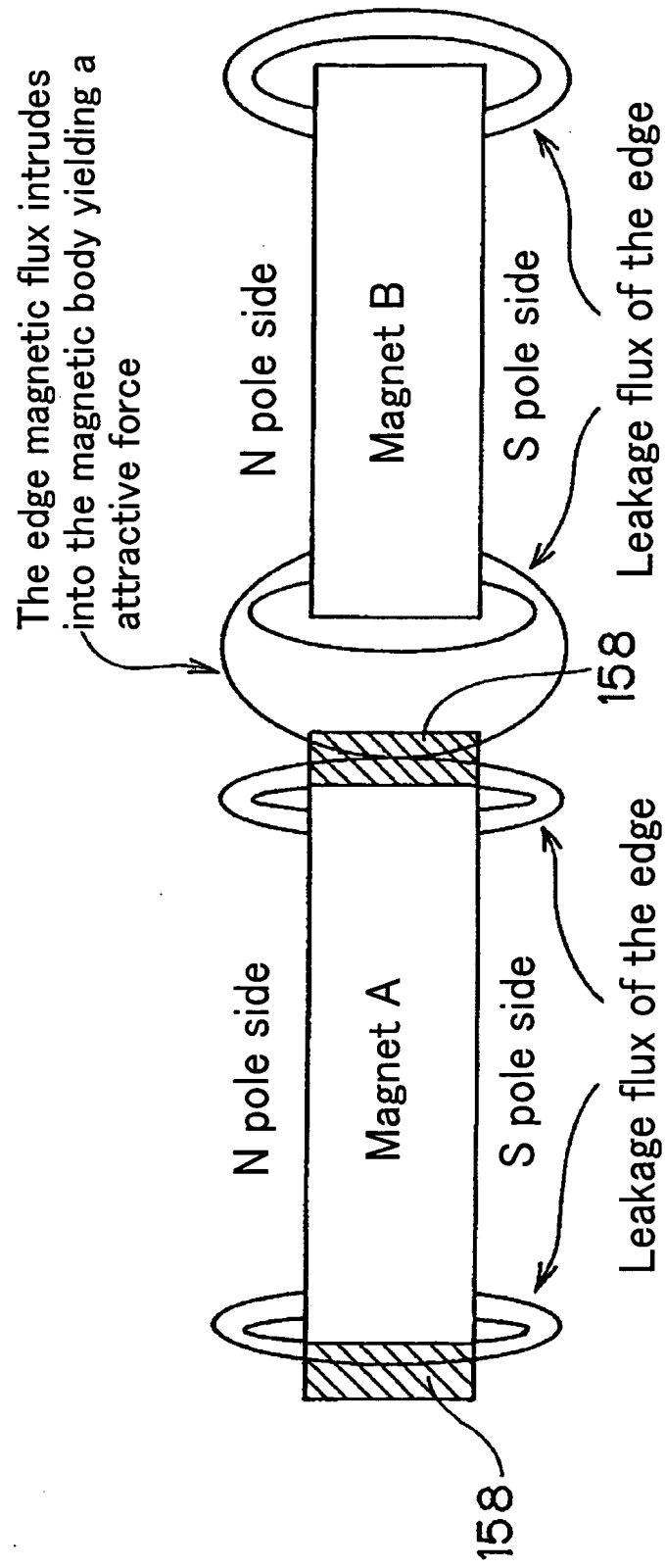


Fig. 42

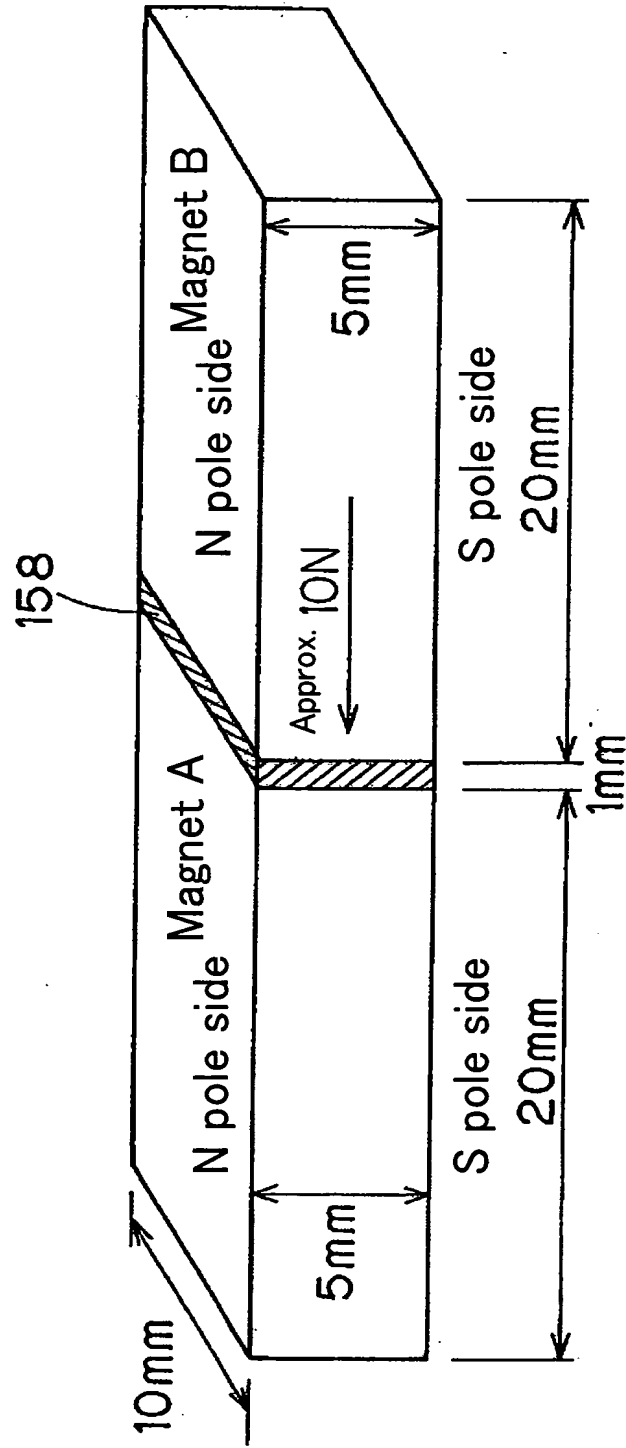
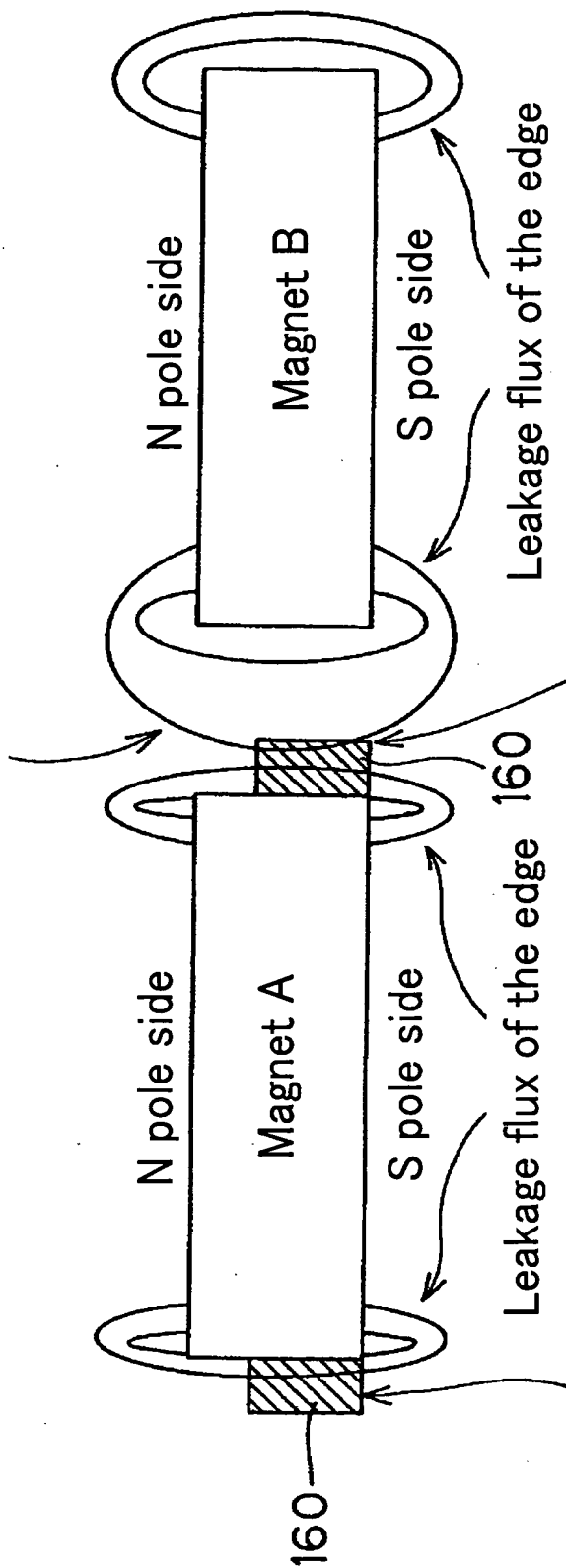


Fig. 43

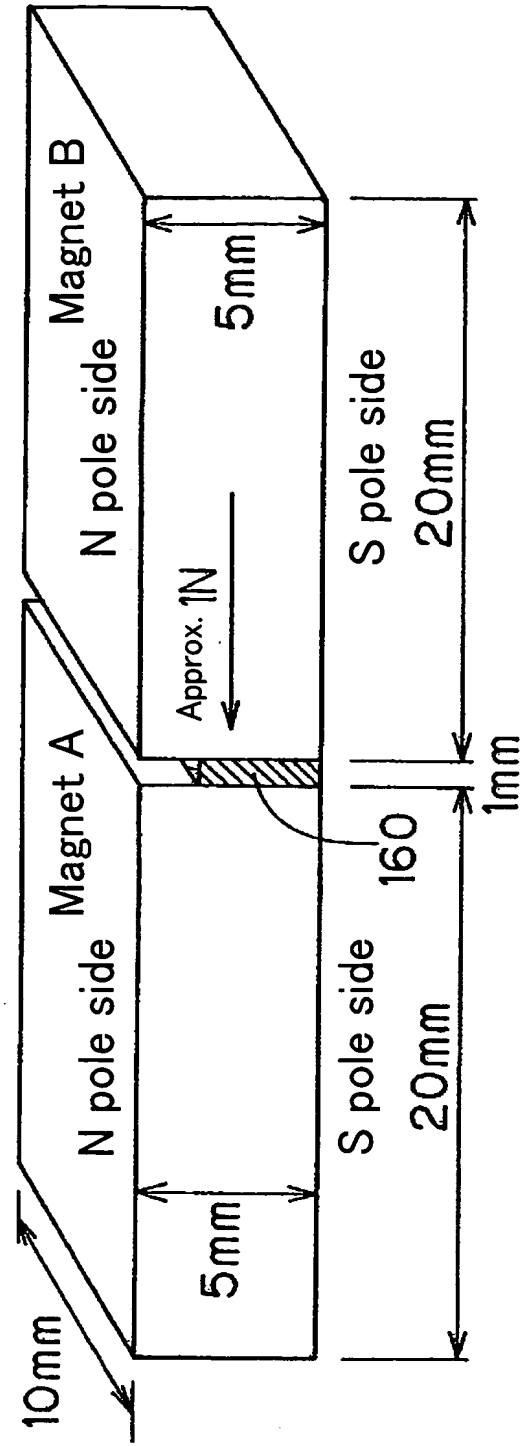
In this portion, the edge flux receives a repelling force from the leakage flux of the magnet A



Short magnetic body in height

In this magnetic body part the edge flux receives an attractive force

Fig. 44



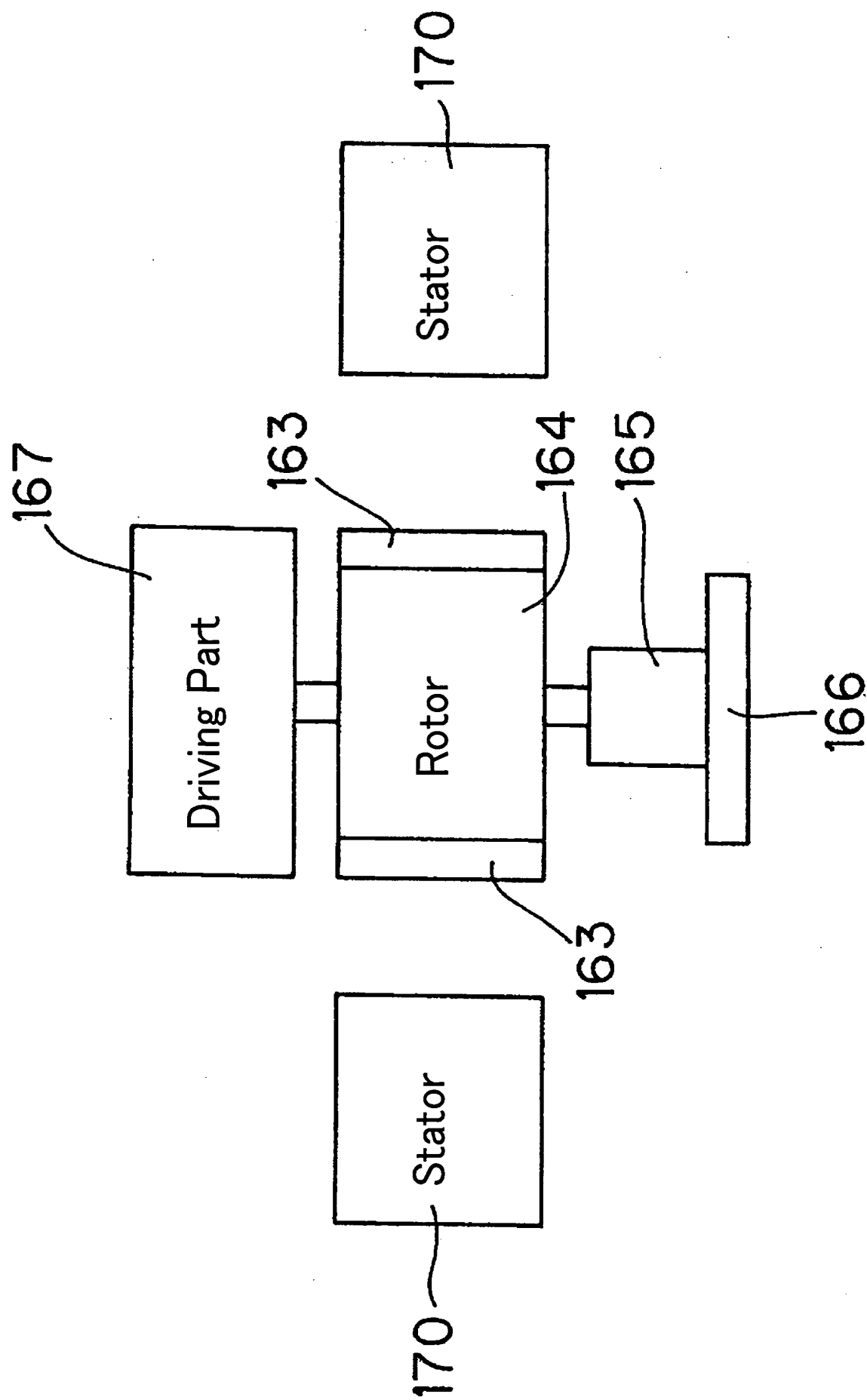


Fig. 45

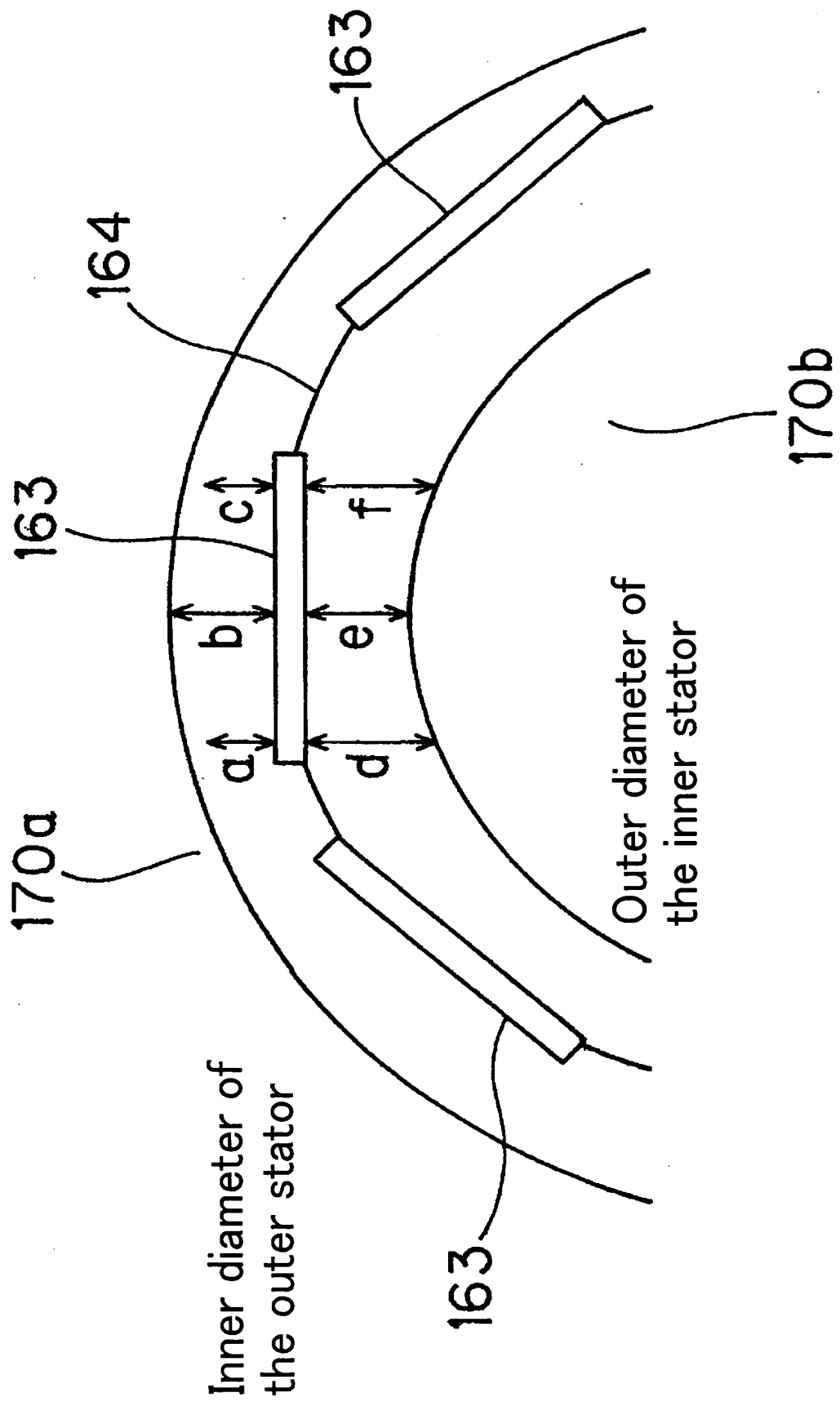
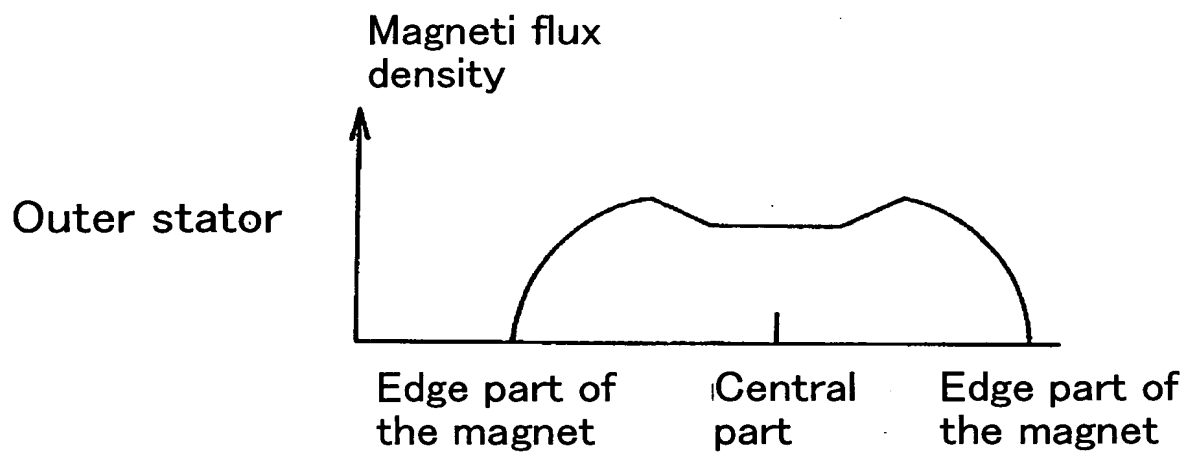


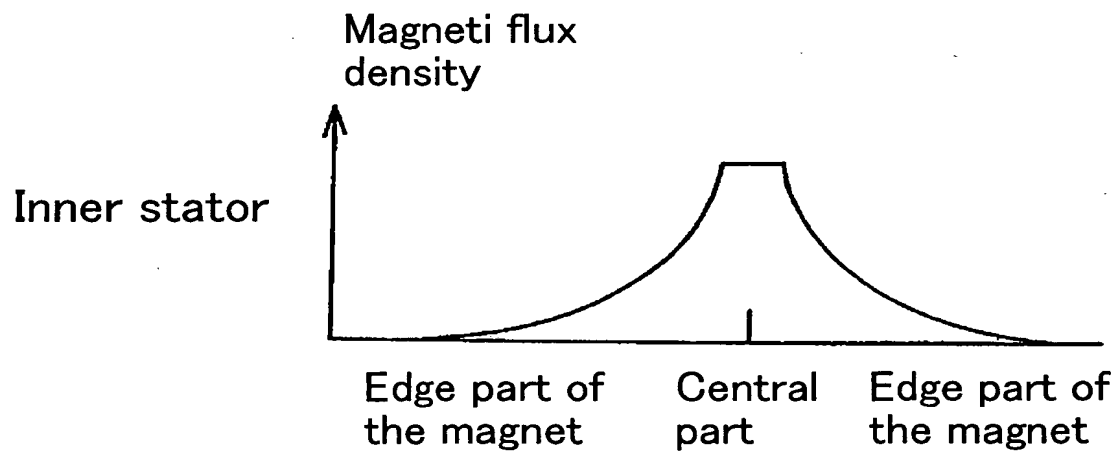
Fig. 46

Fig. 47

(a)



(b)



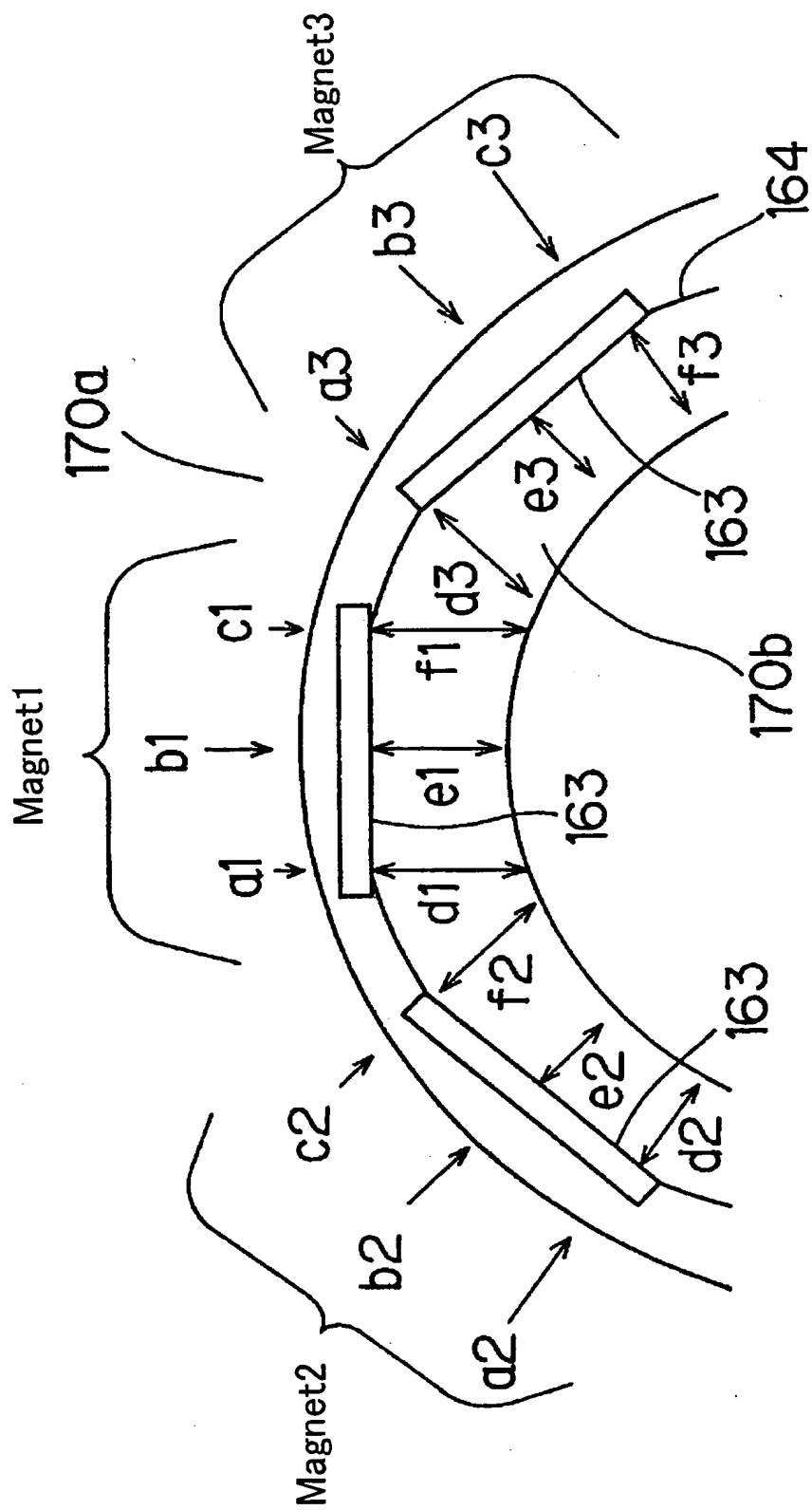


Fig. 48

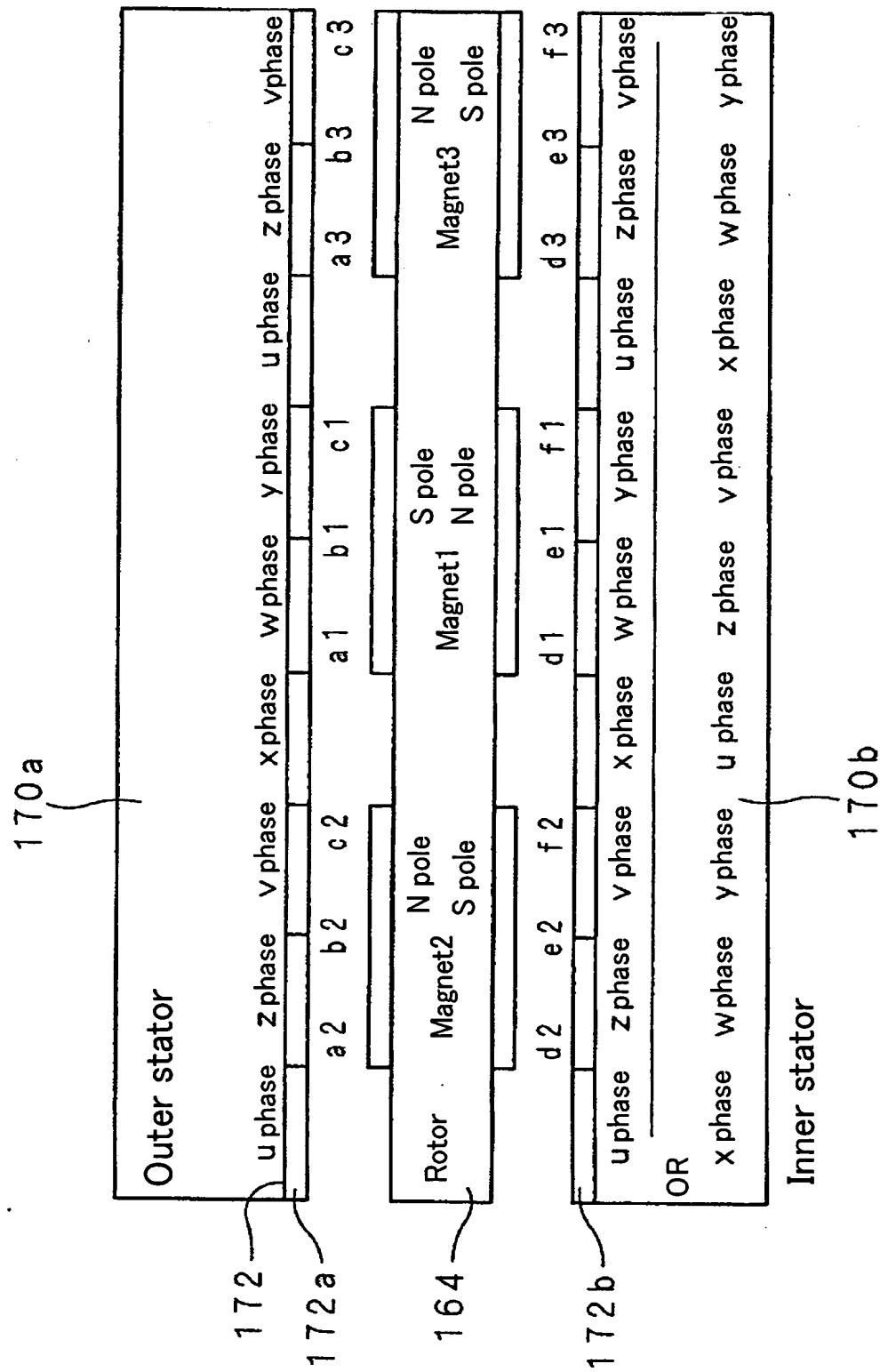


Fig. 49

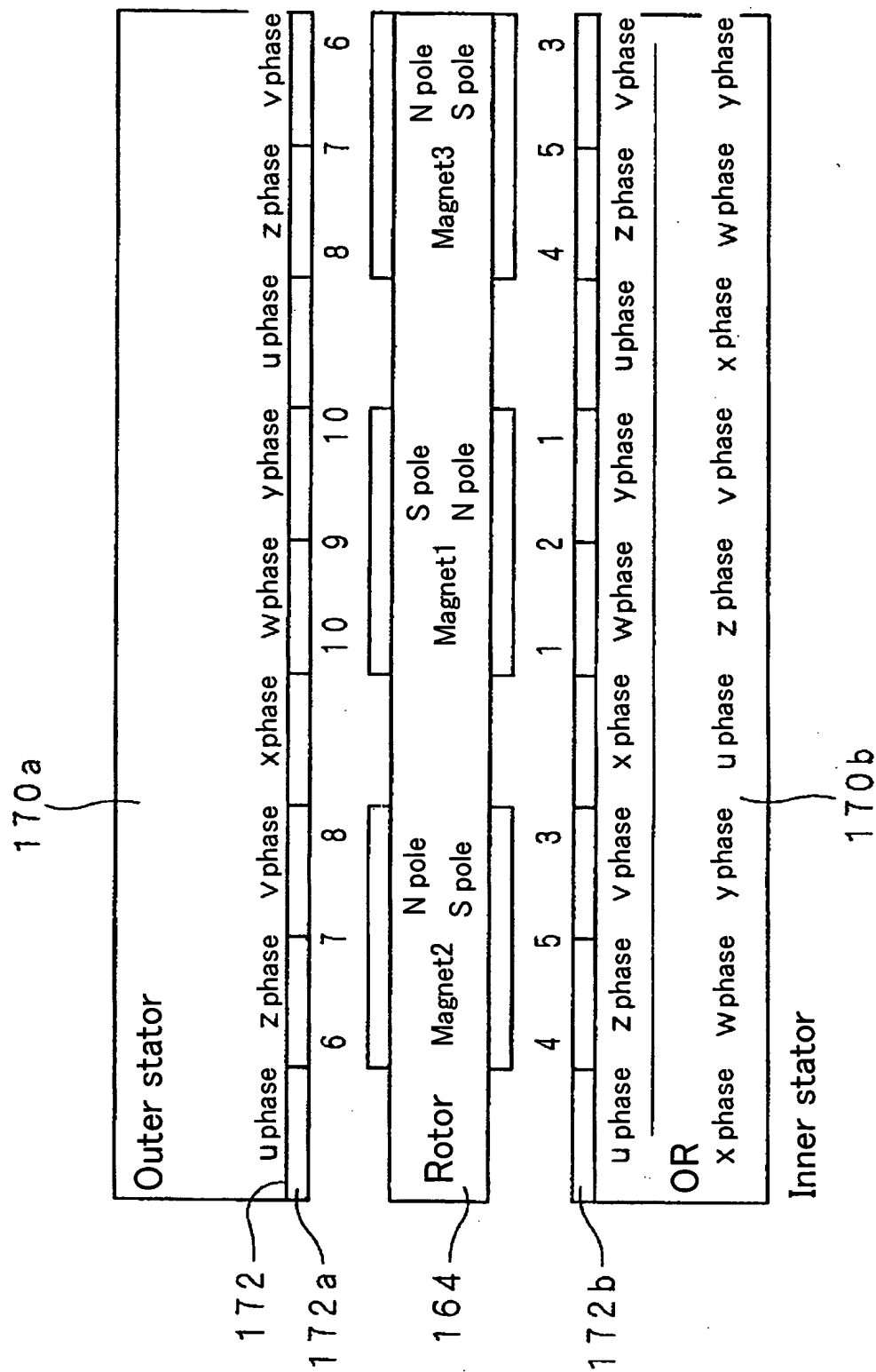


Fig. 50

Each phase crossing the coils of inside and outside	In the alignment of u,z,v,x,w,y (the upper stage of the inner stator of Figure 49)	In the alignment of u,z,v,x,w,y (the upper stage of the inner stator of Figure 49)
z phase	$6+5=11$	$6+2=8$
v phase	$7+3=10$	$7+1=8$
w phase	$10+4=14$	$10+5=15$
y phase	$10+4=14$	$10+3=13$
Sum	49	44

Fig. 51

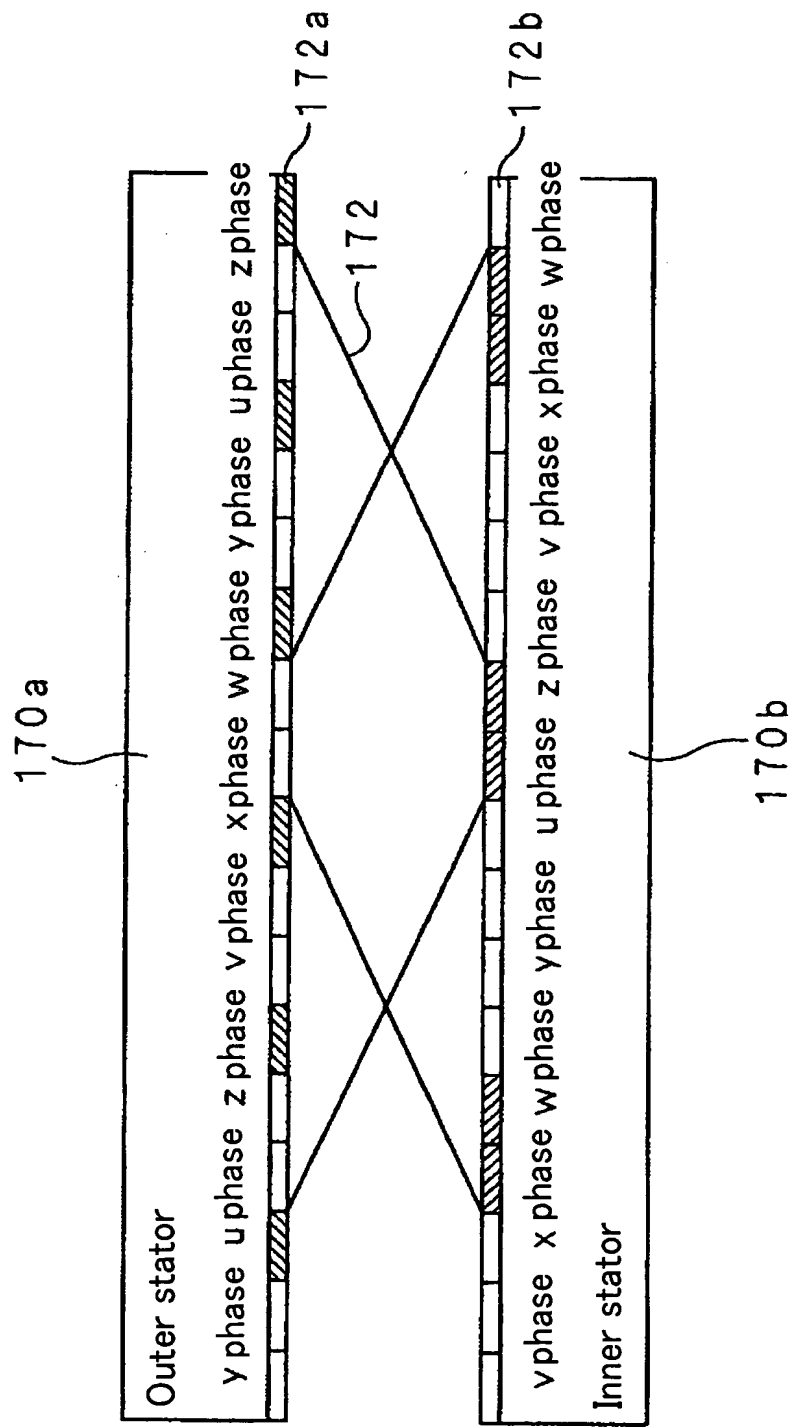
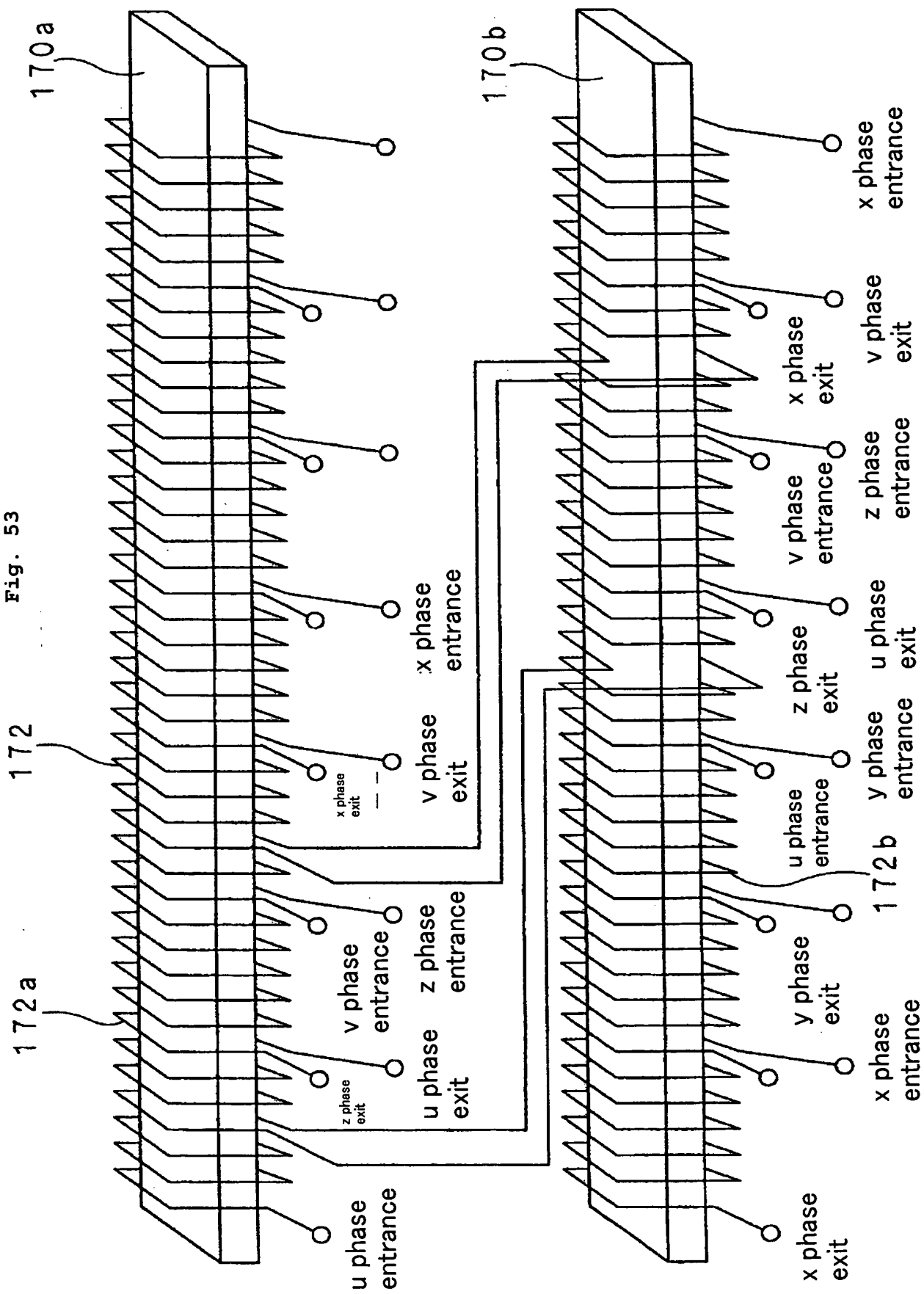


Fig. 52

Fig. 53



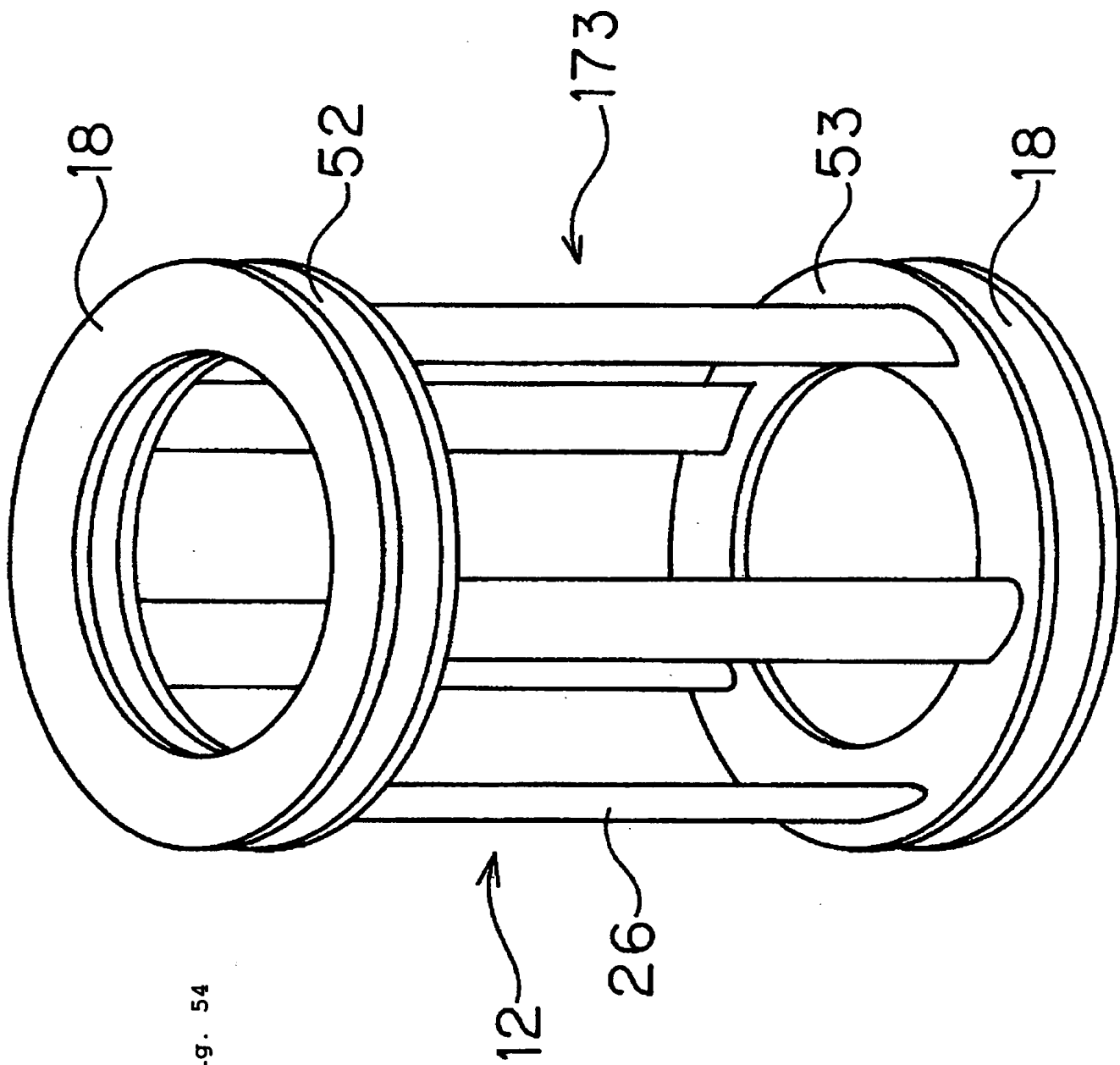


Fig. 54

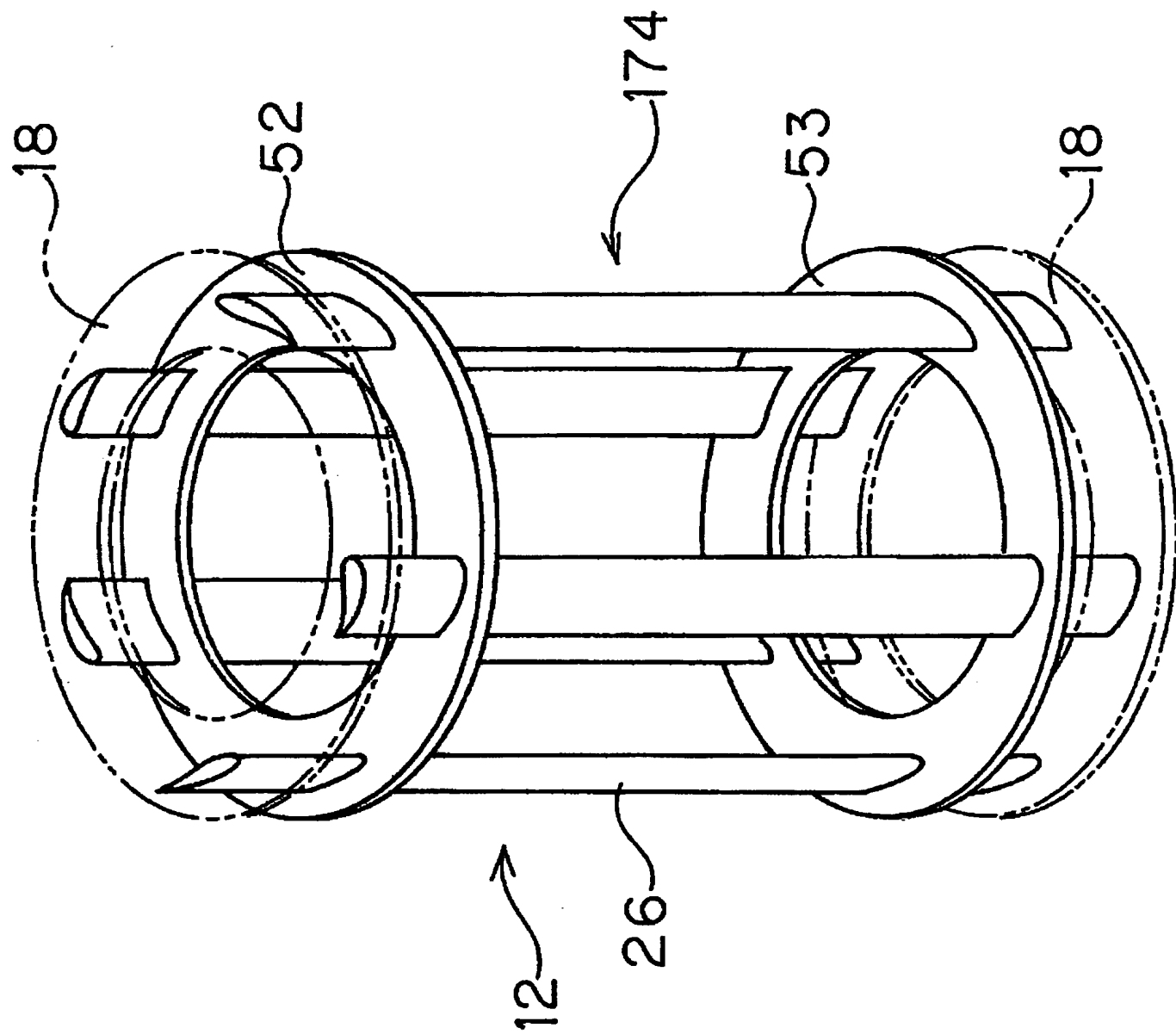


Fig. 55

Fig. 56

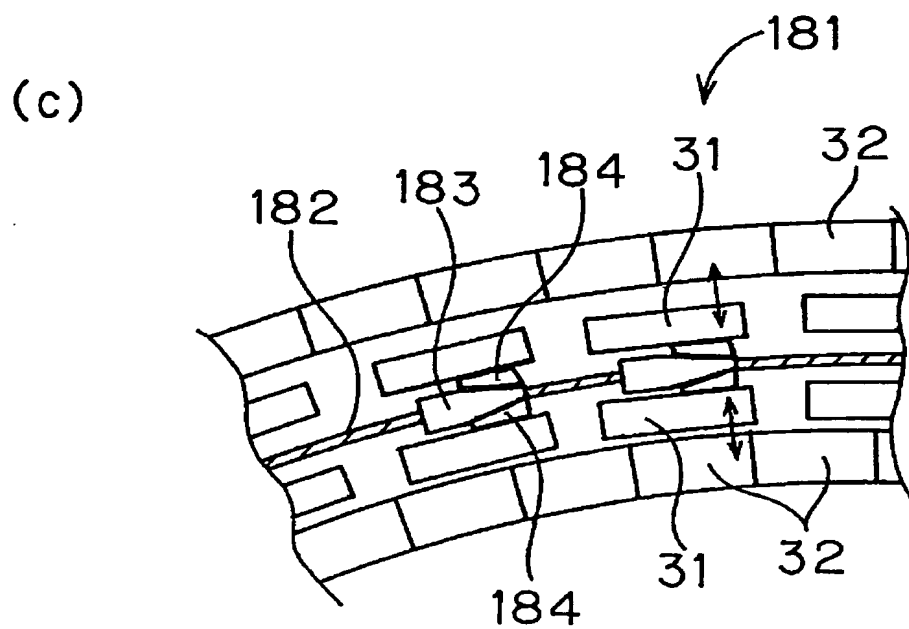
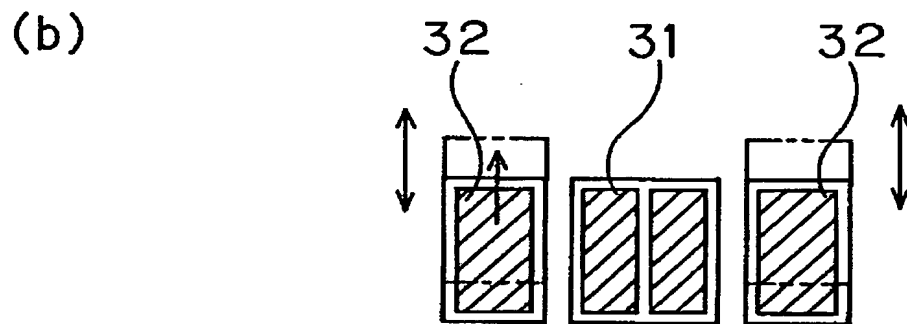
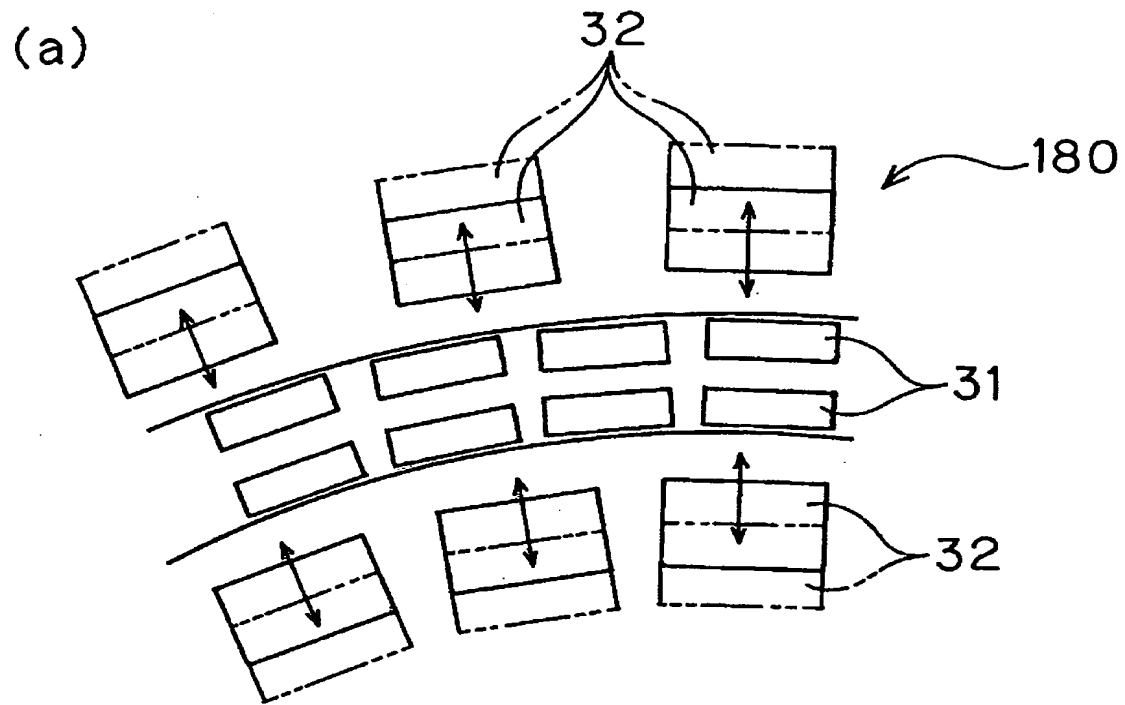


Fig. 57

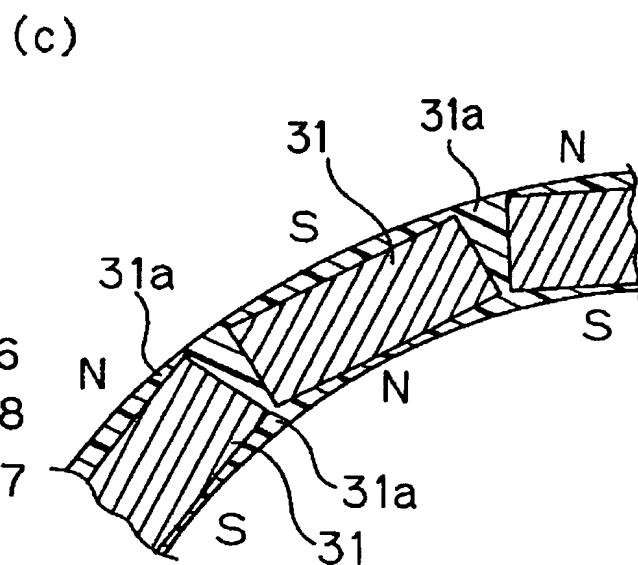
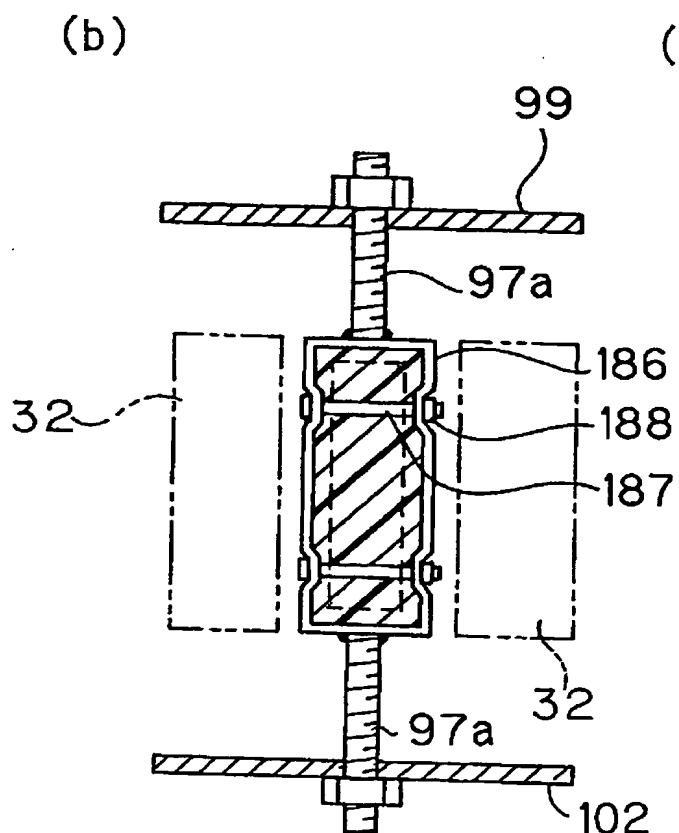
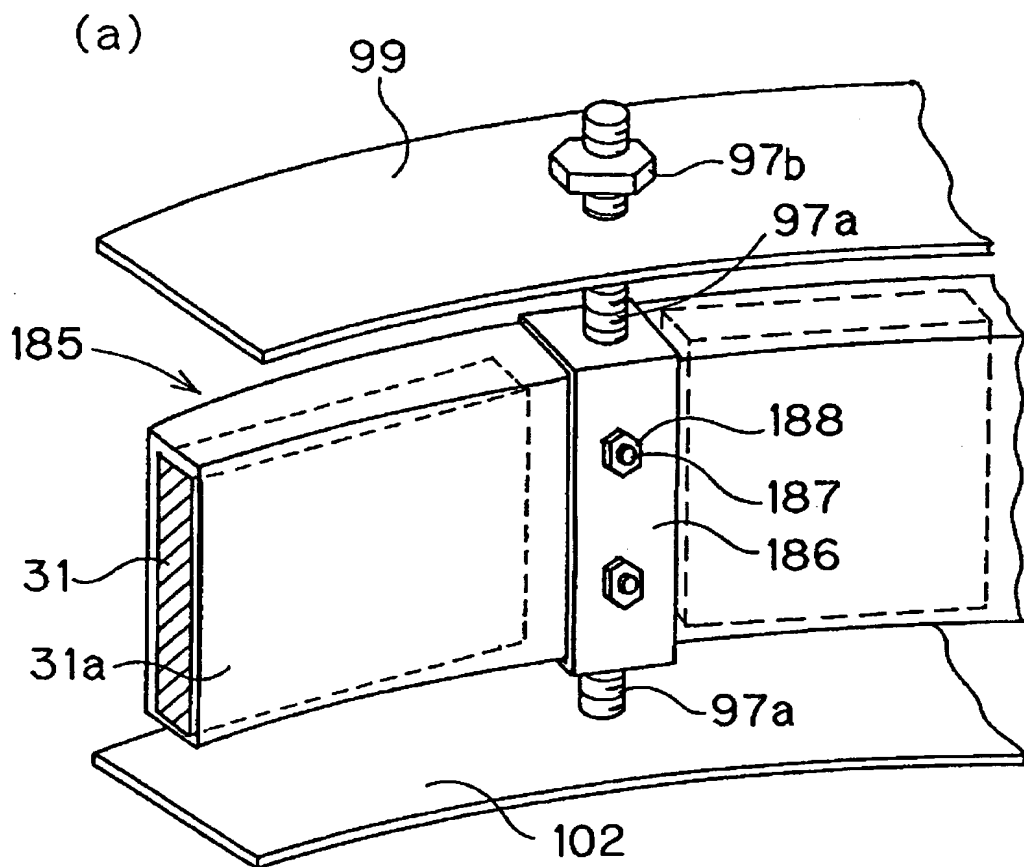


Fig. 58

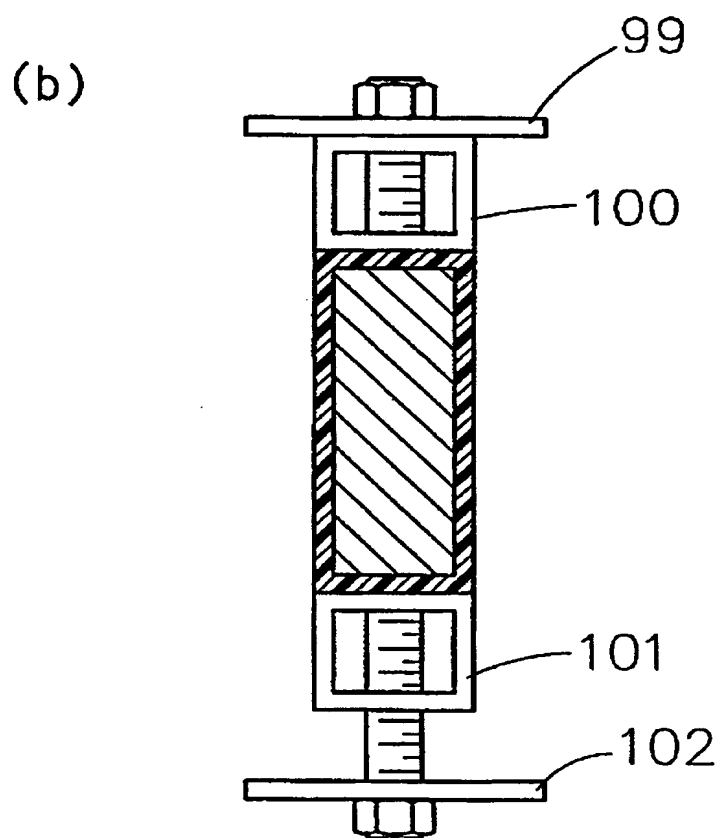
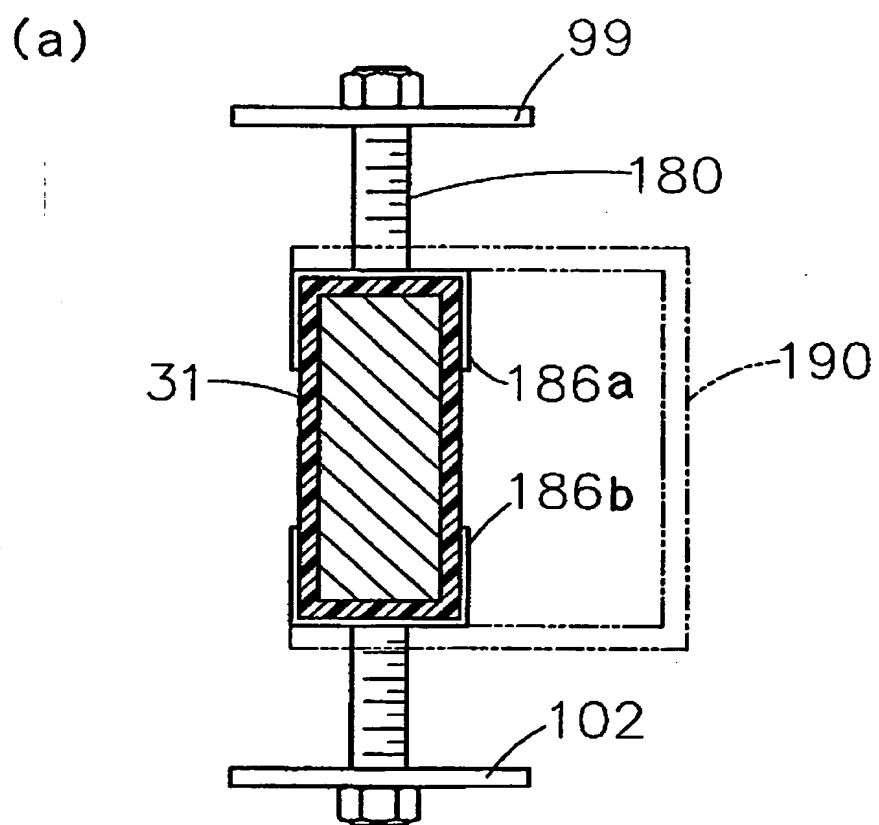
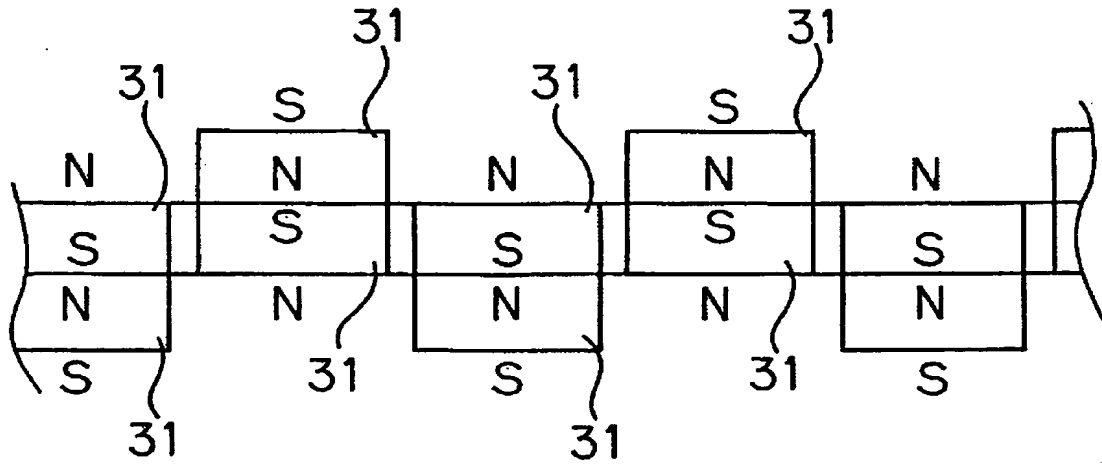
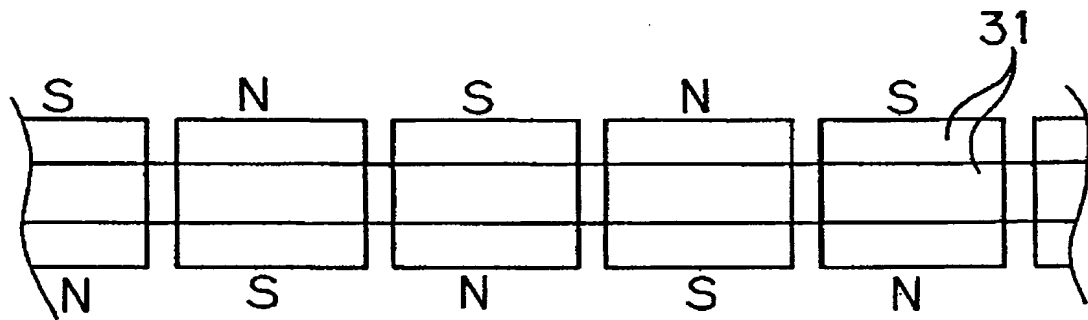


Fig. 59

(a)



(b)



(c)

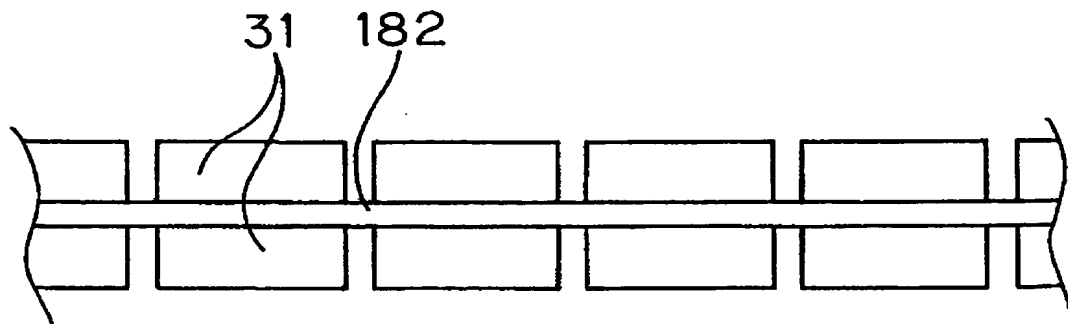


Fig. 60

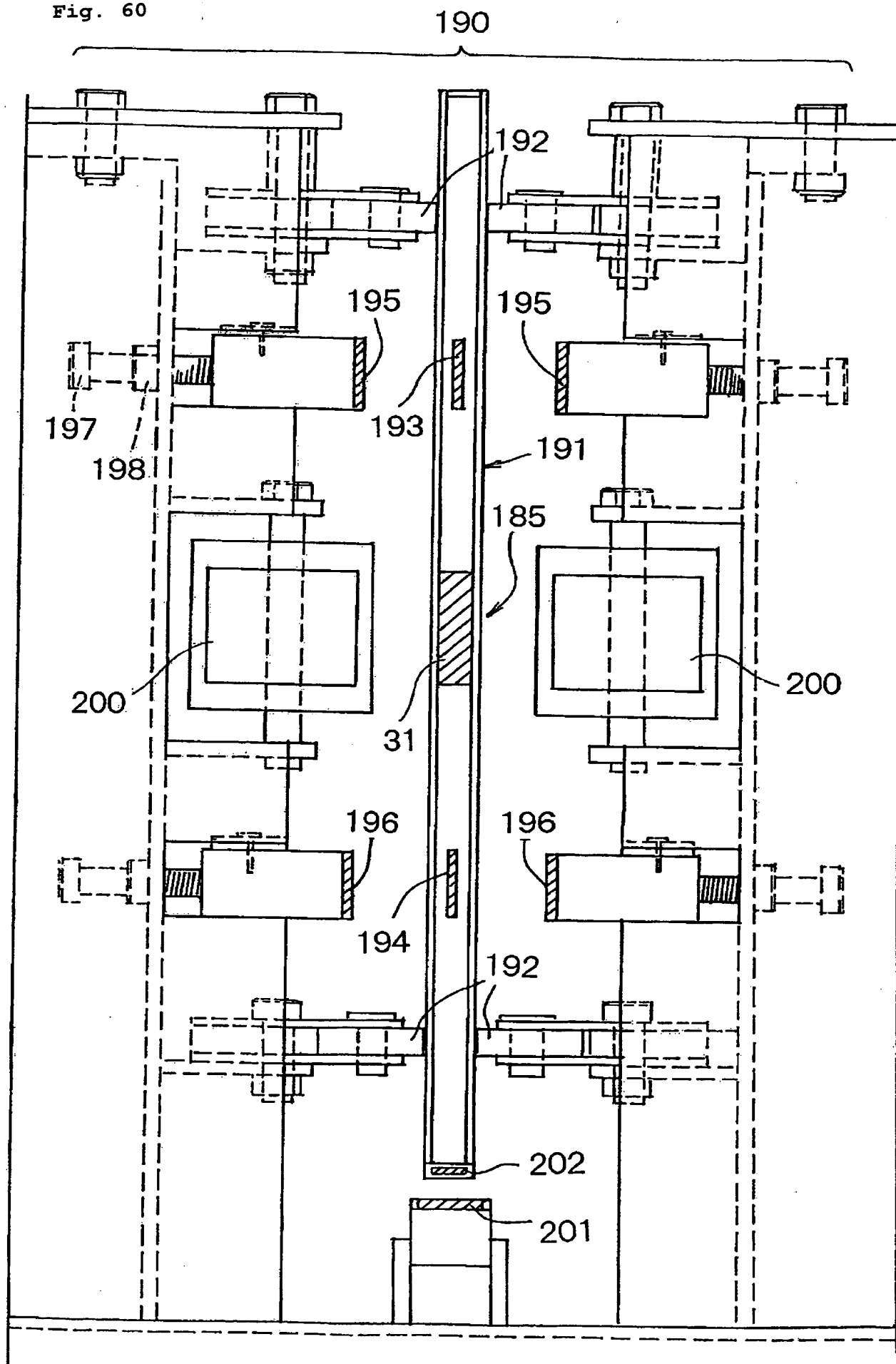
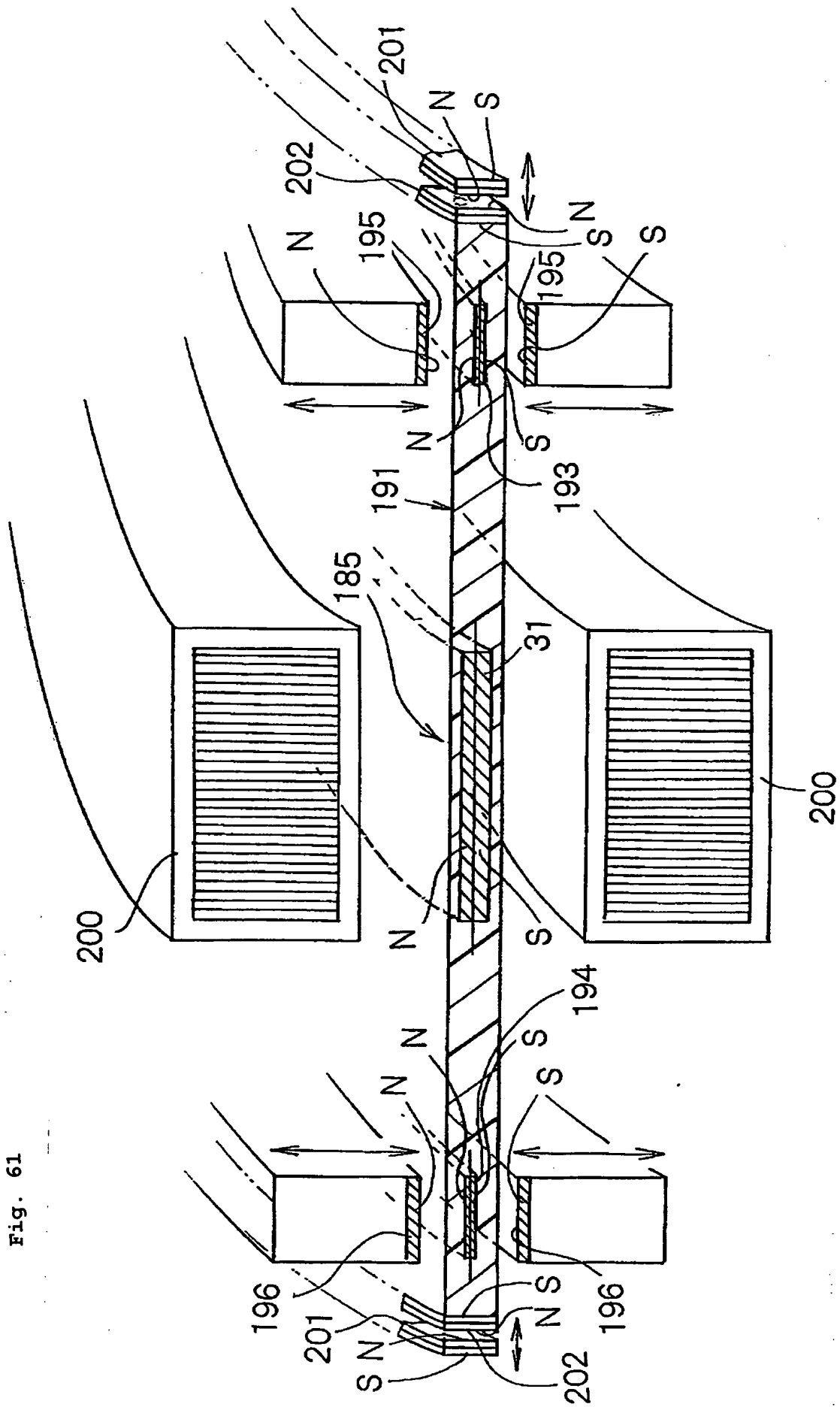


Fig. 61



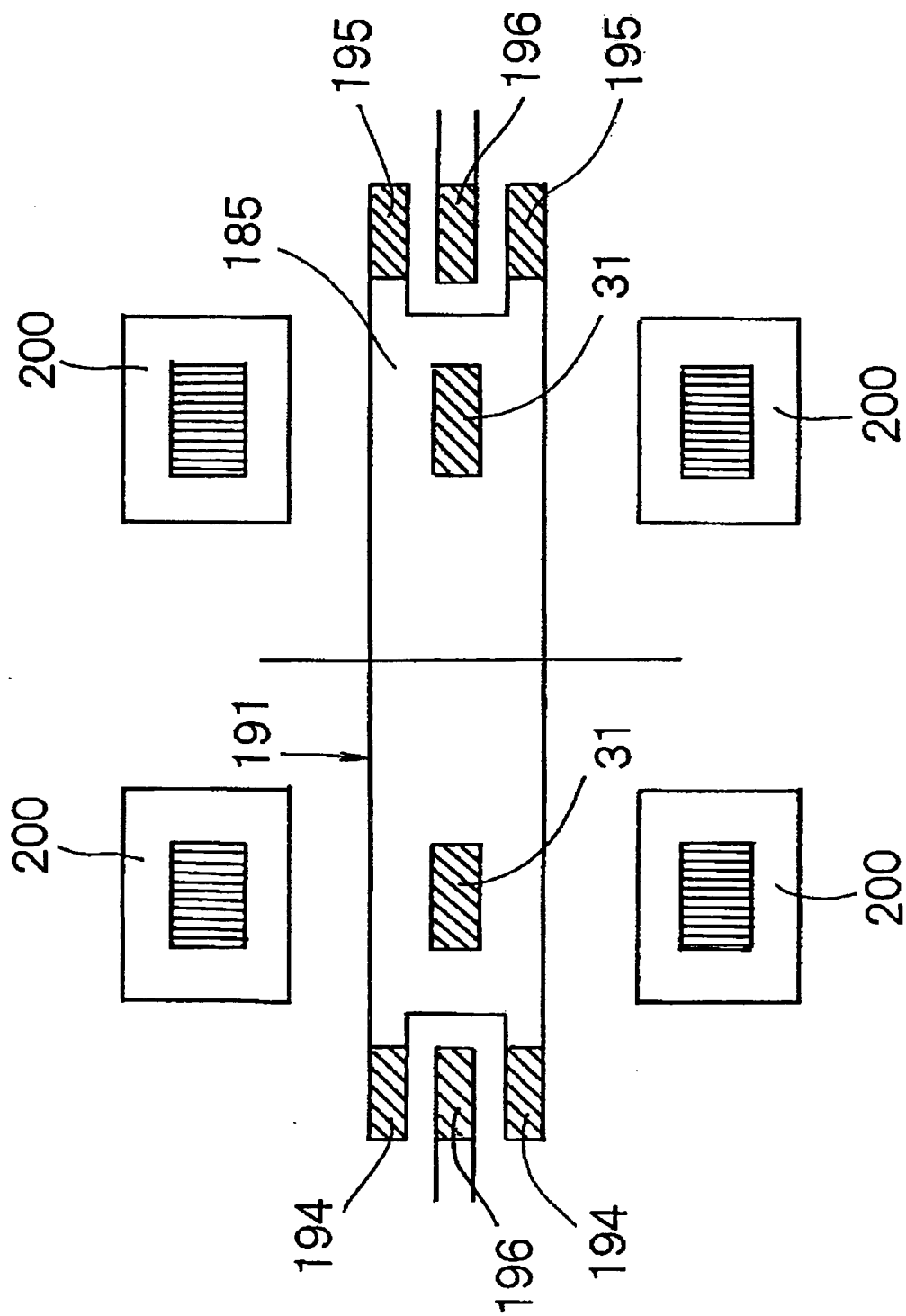


Fig. 62

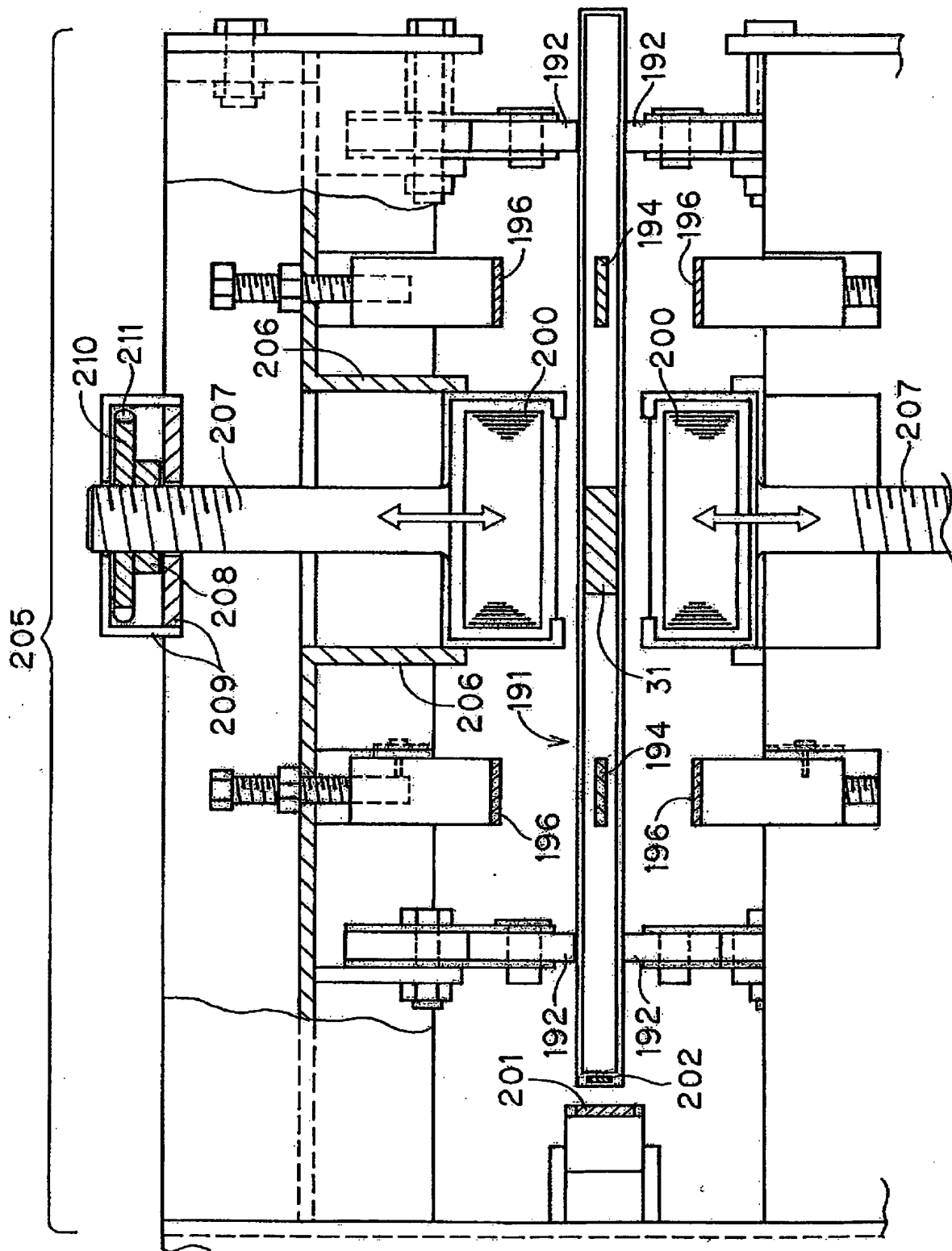
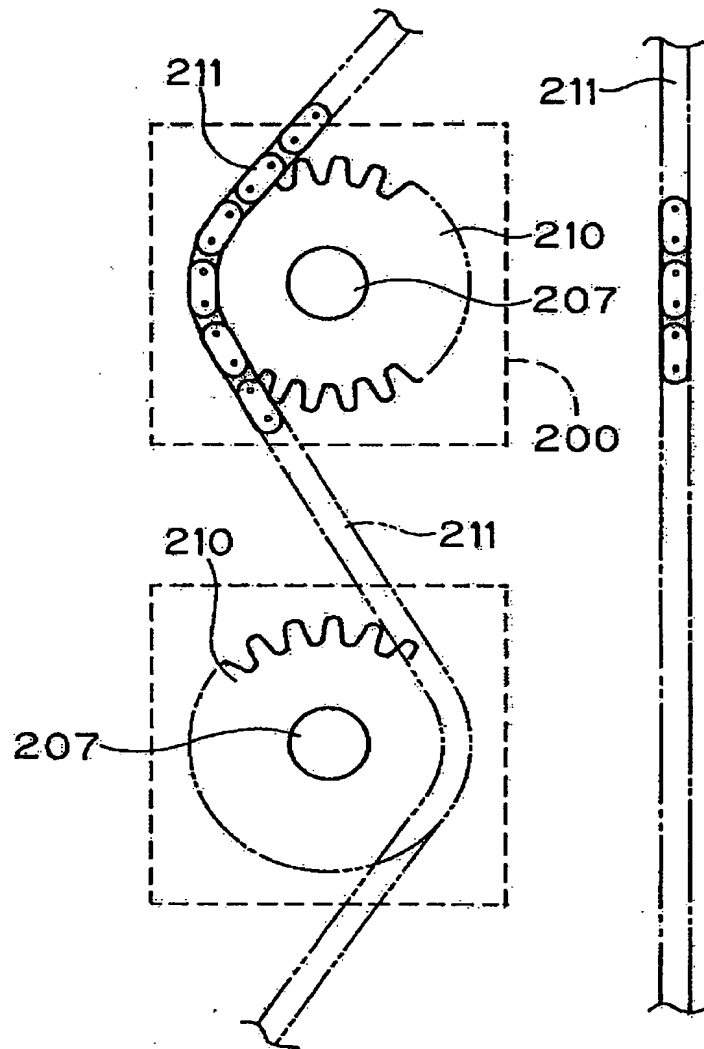


Fig. 63

Fig. 64



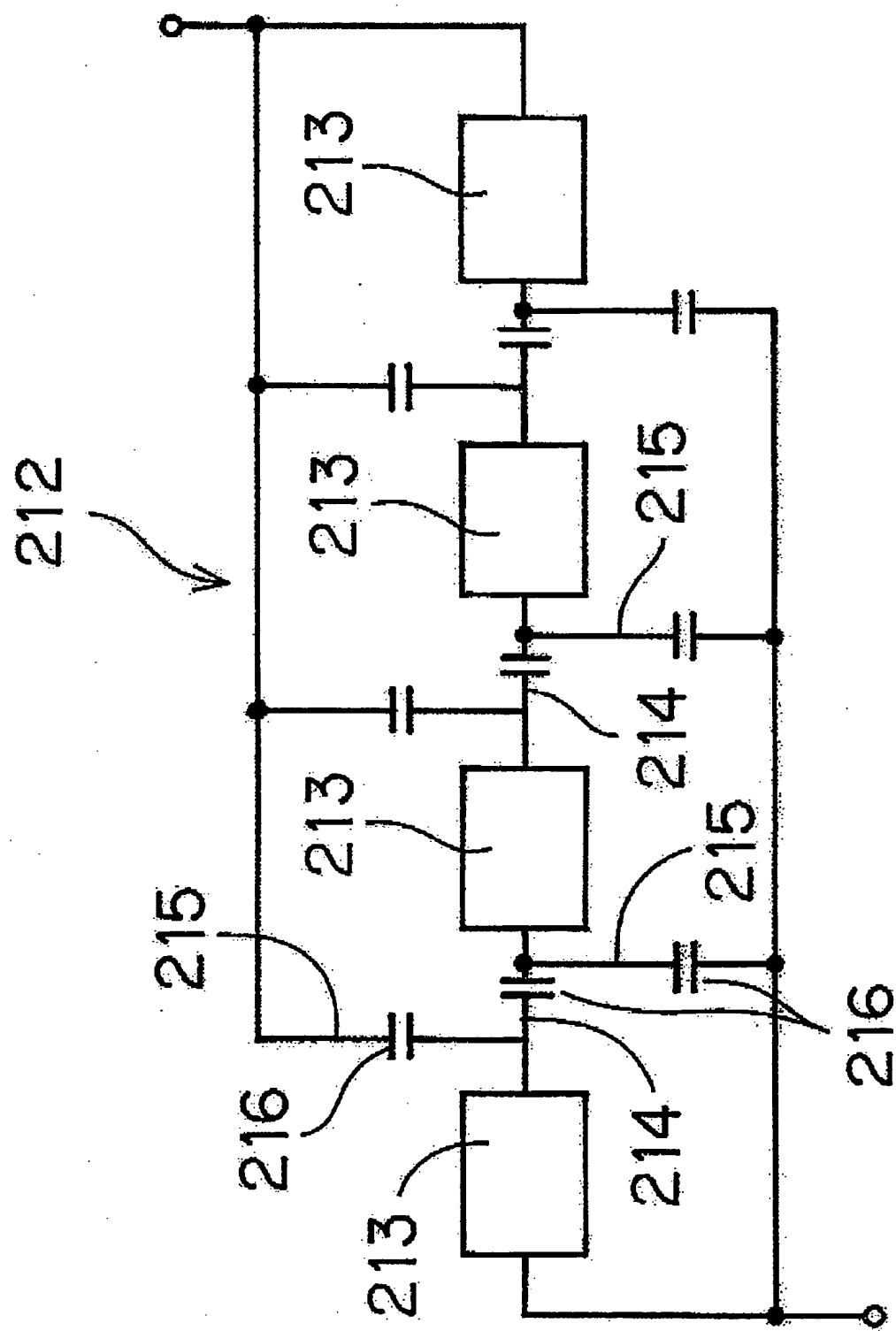


Fig. 65

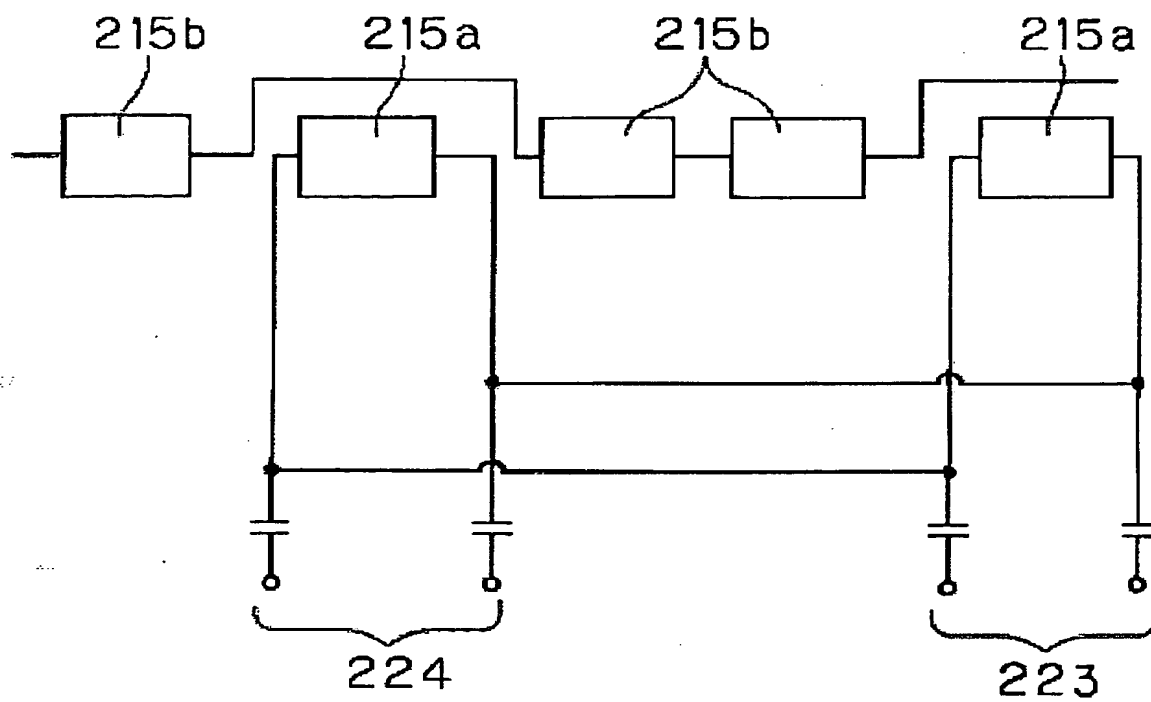
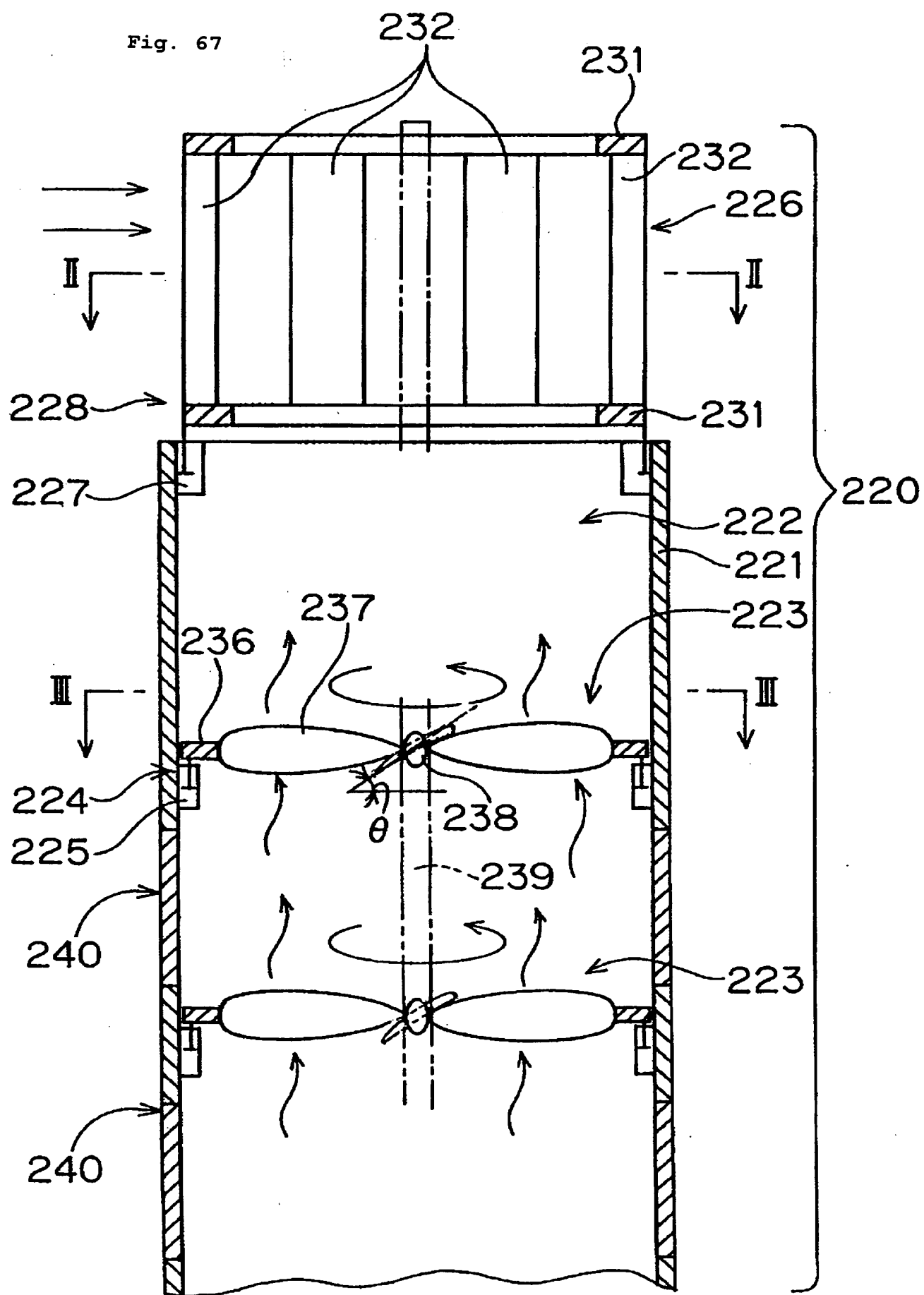


Fig. 66

Fig. 67



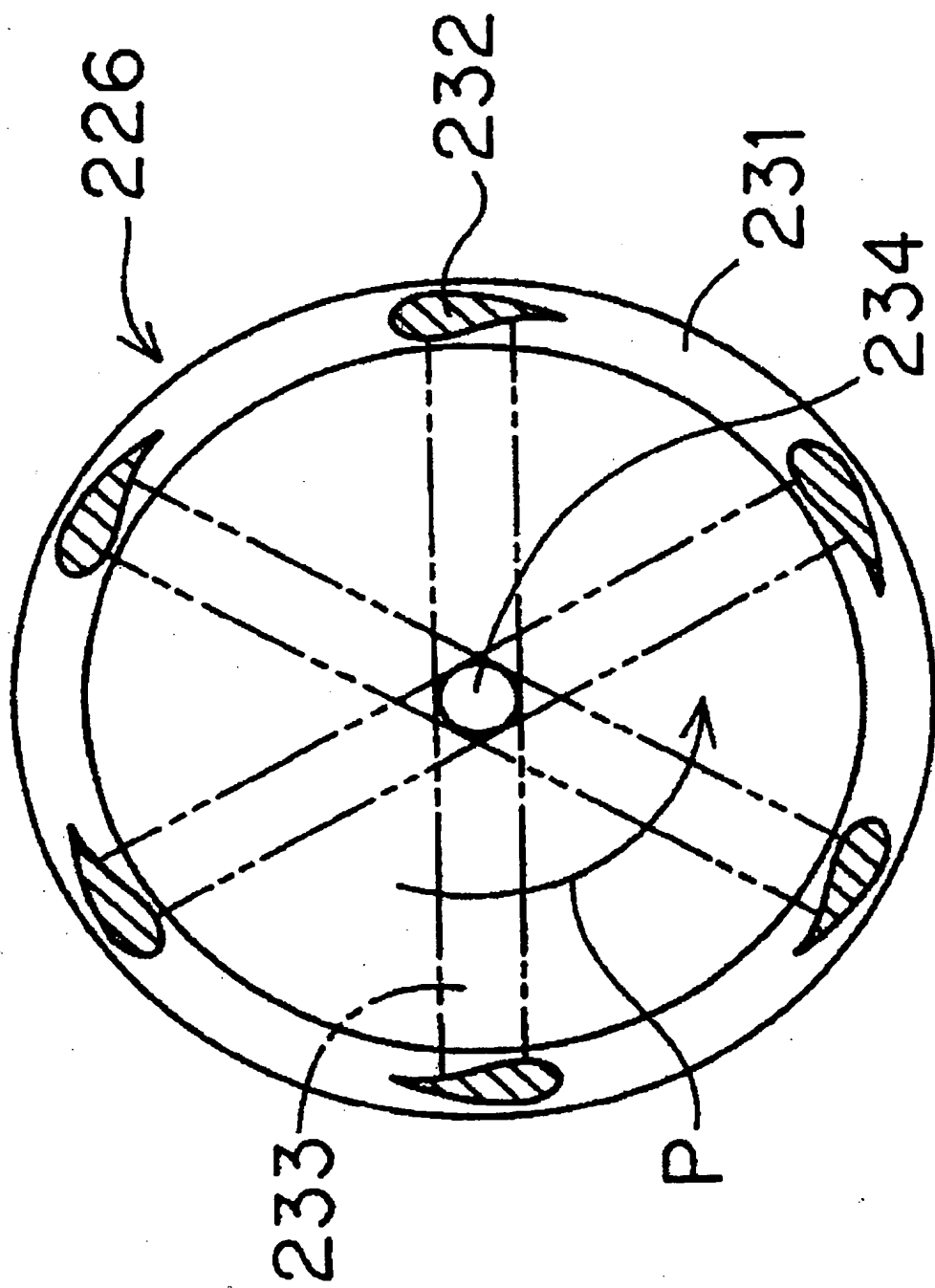


Fig. 68

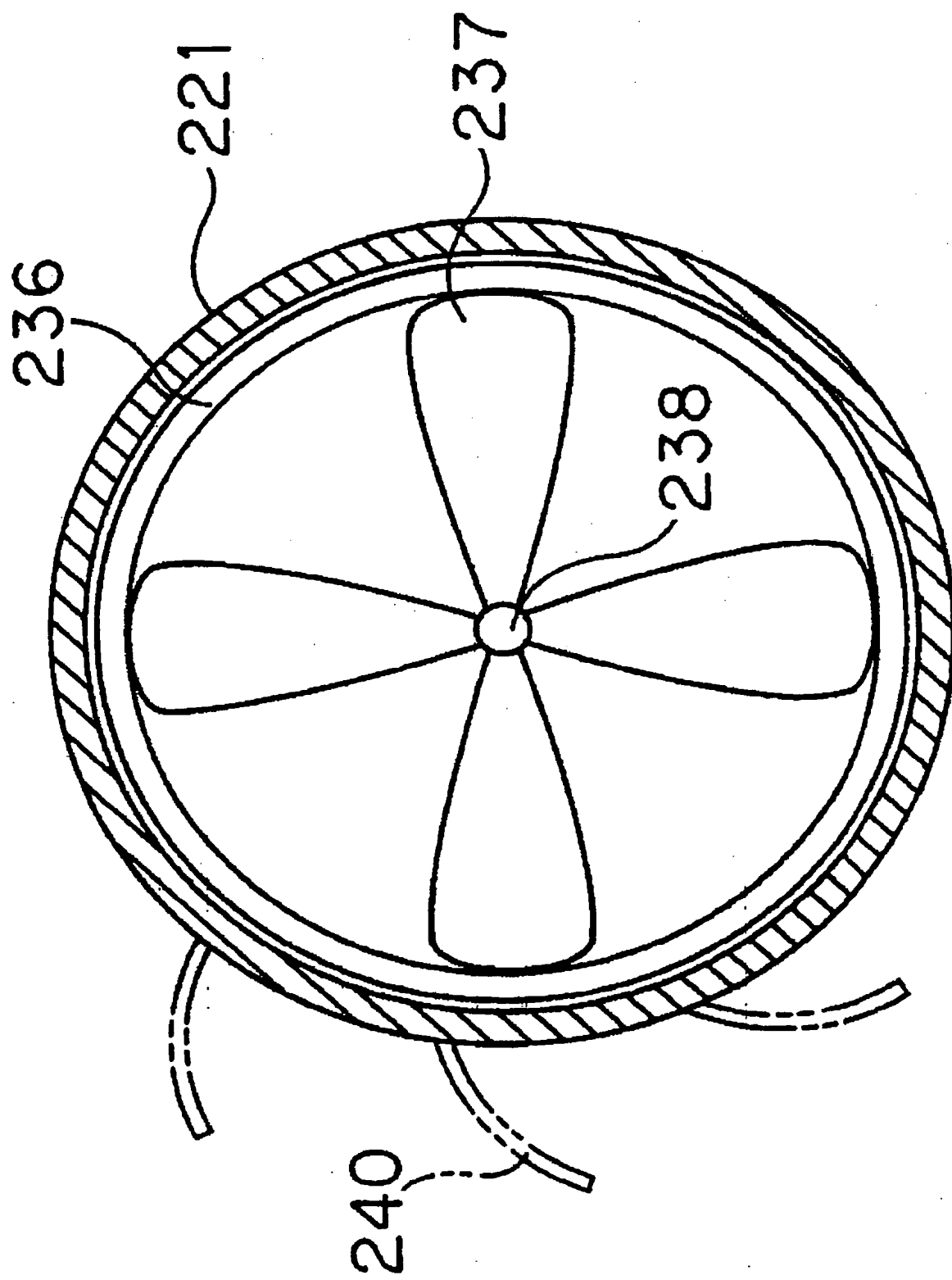
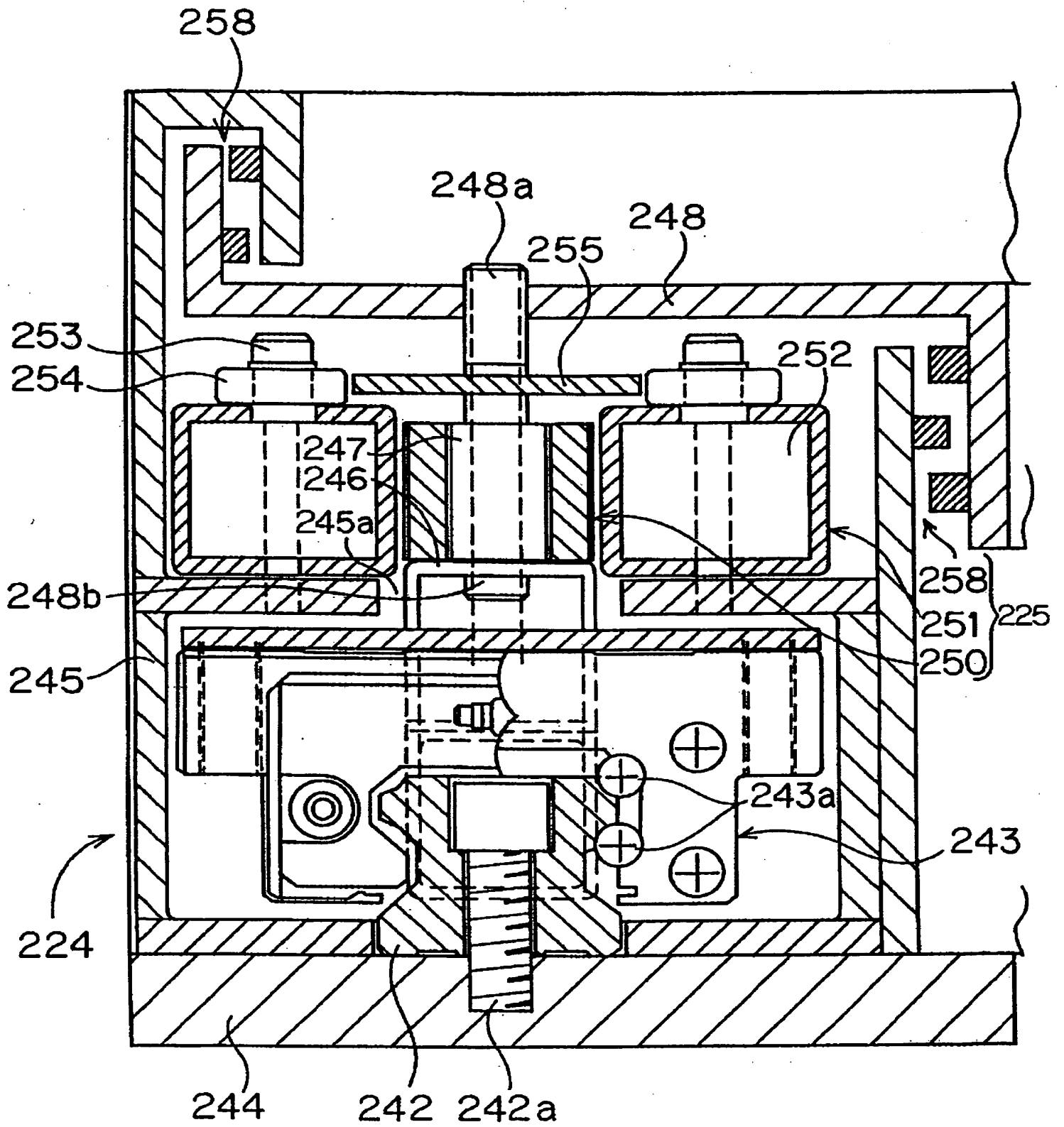


Fig. 69

Fig. 70



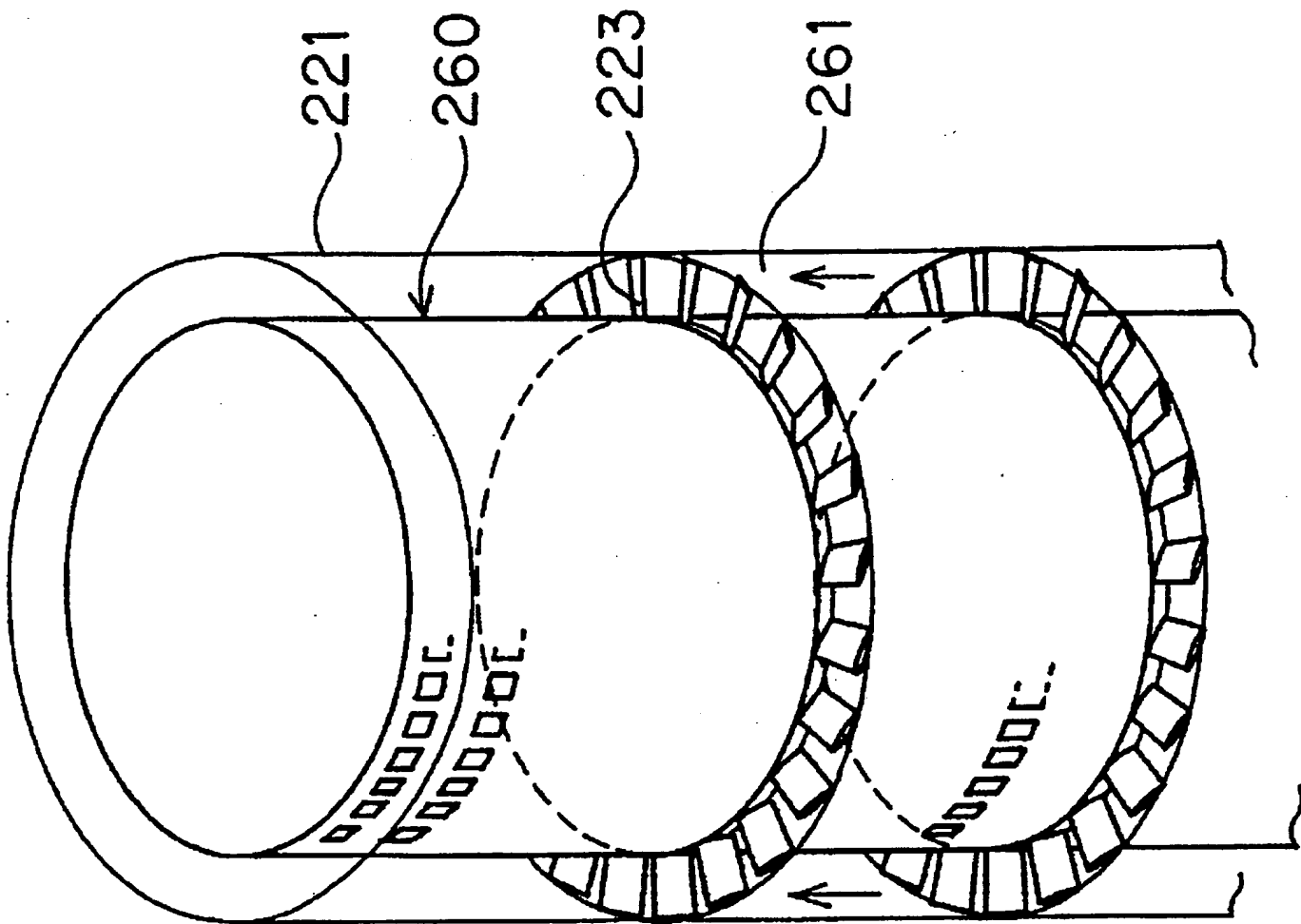


Fig. 71

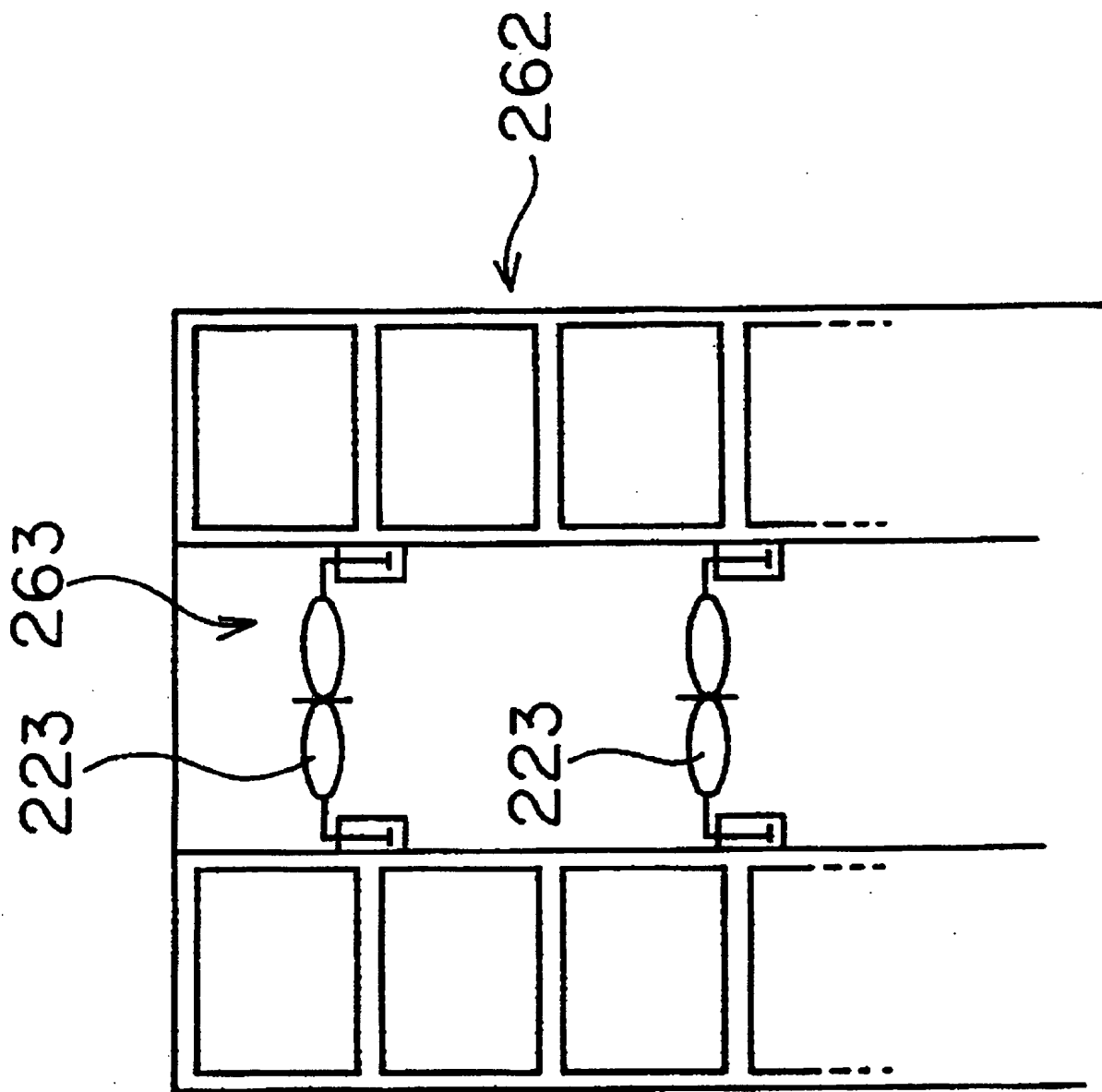


Fig. 72

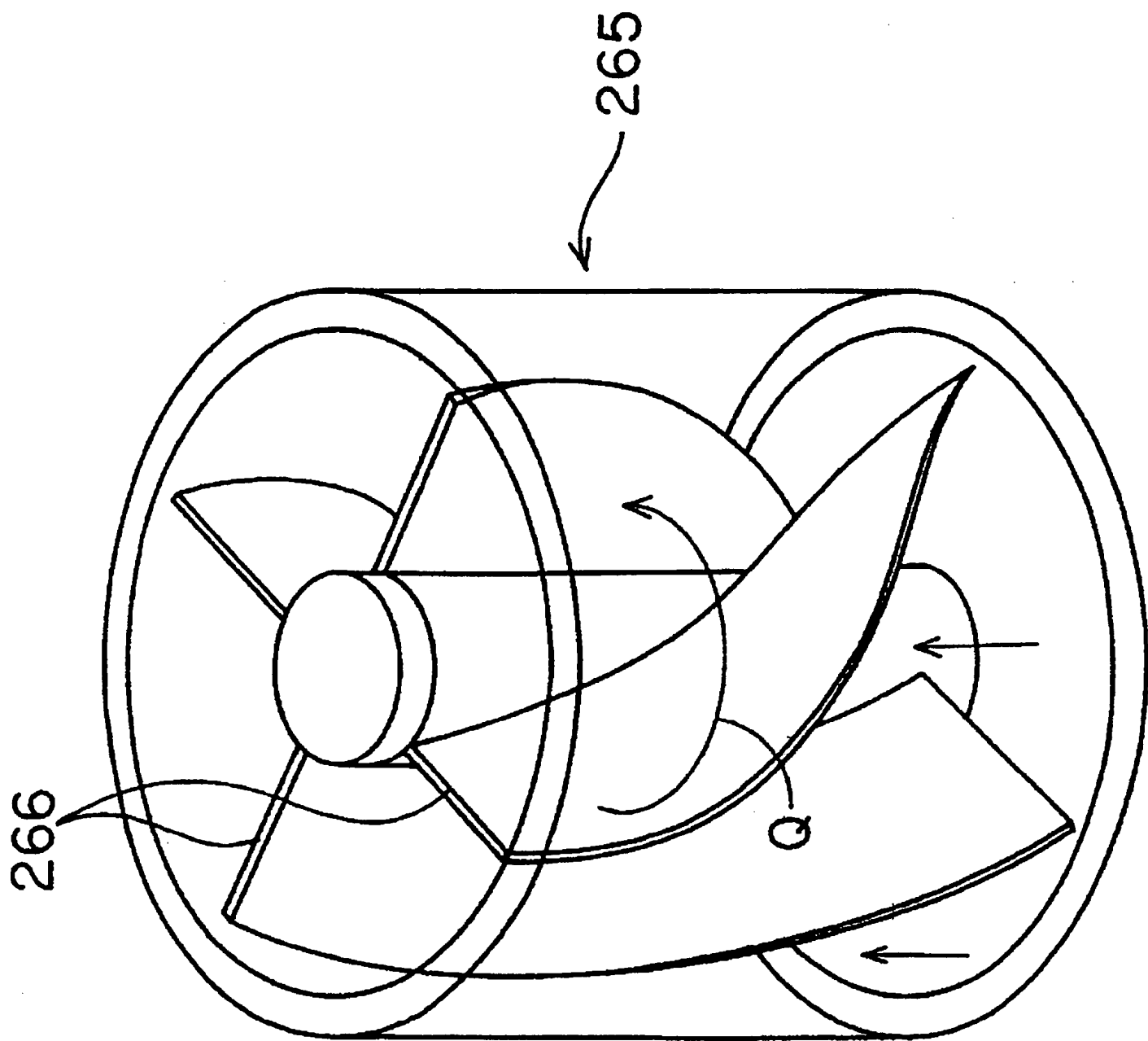


Fig. 73

Fig. 74

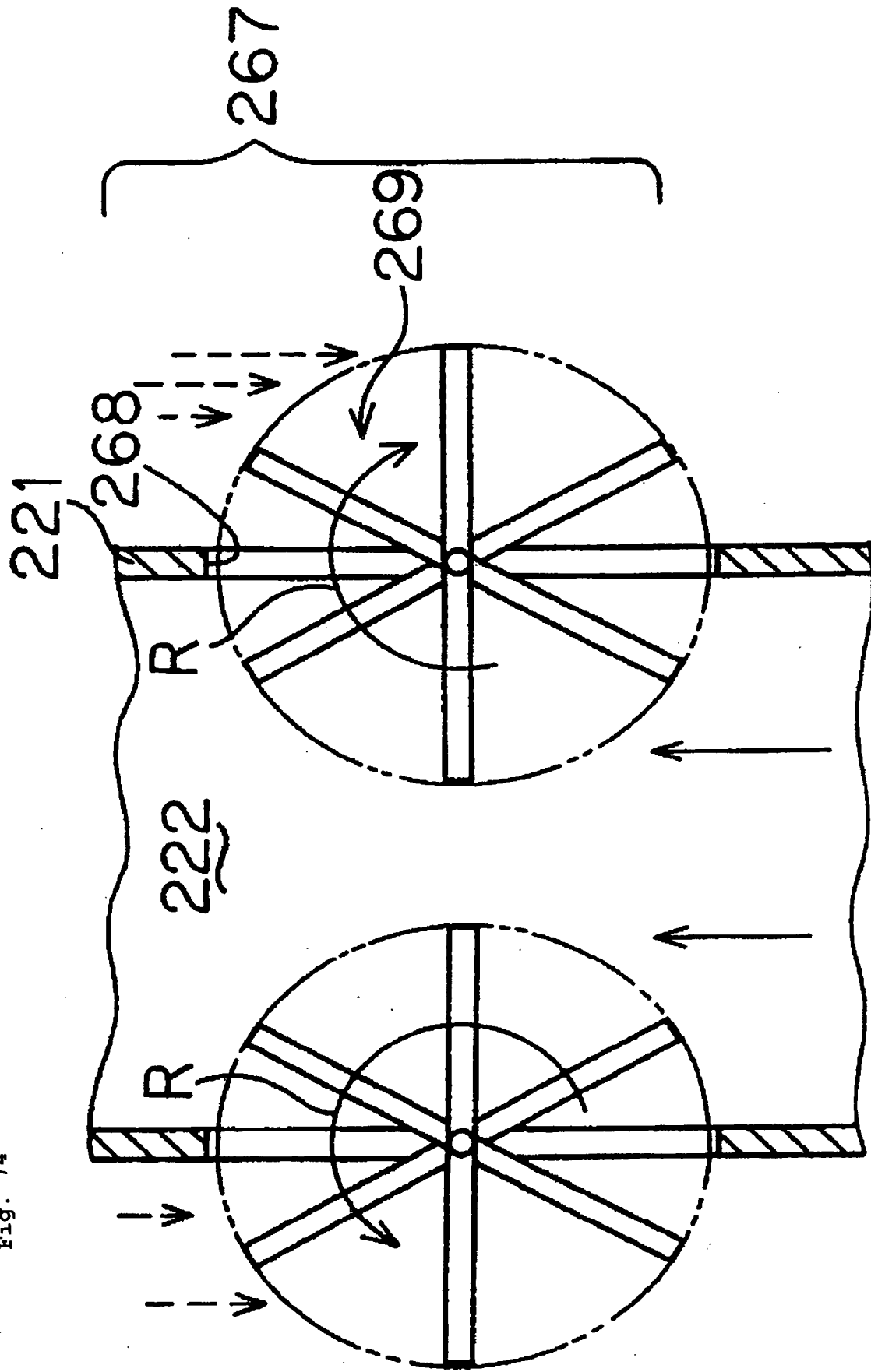


Fig. 75

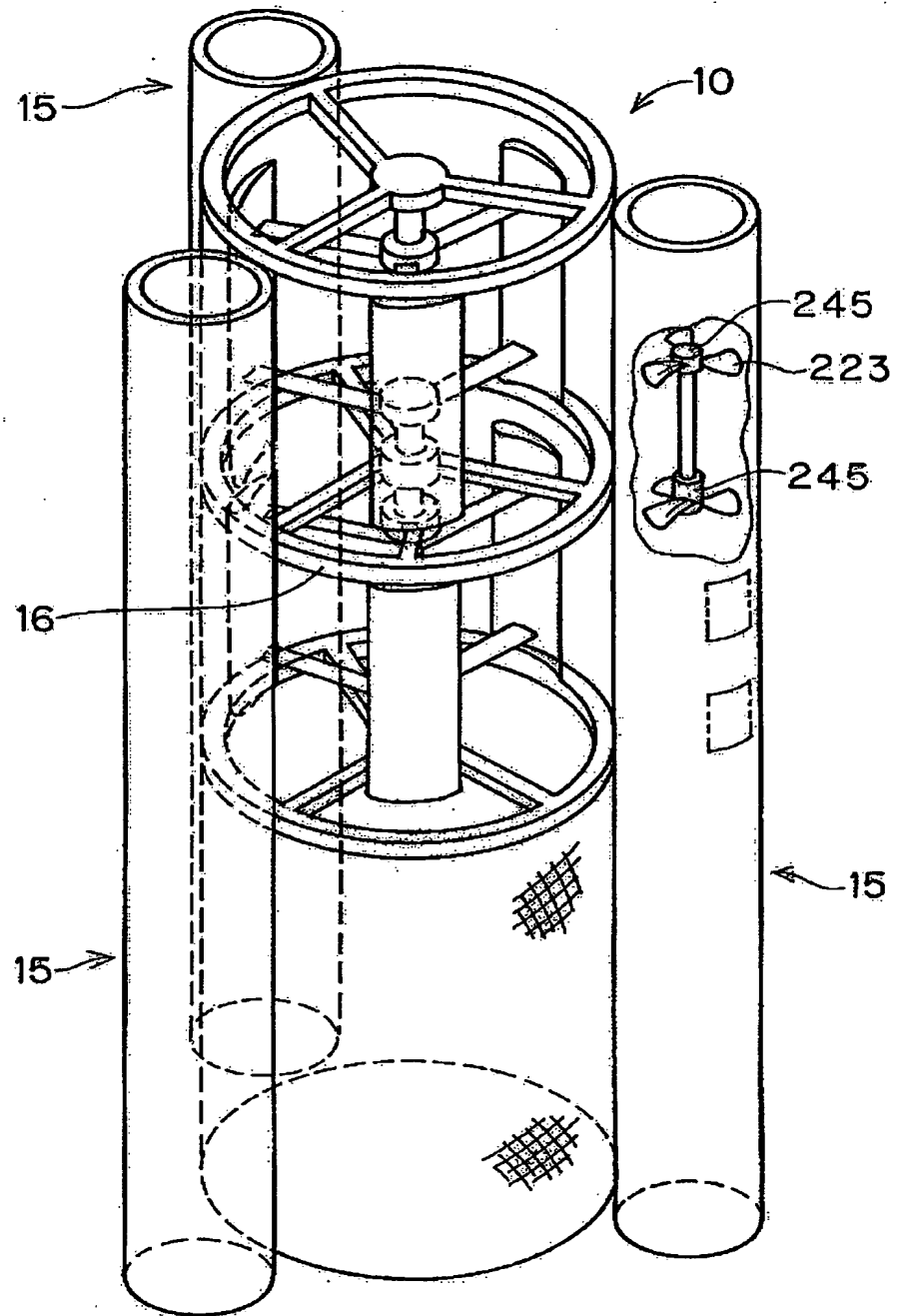


Fig. 76

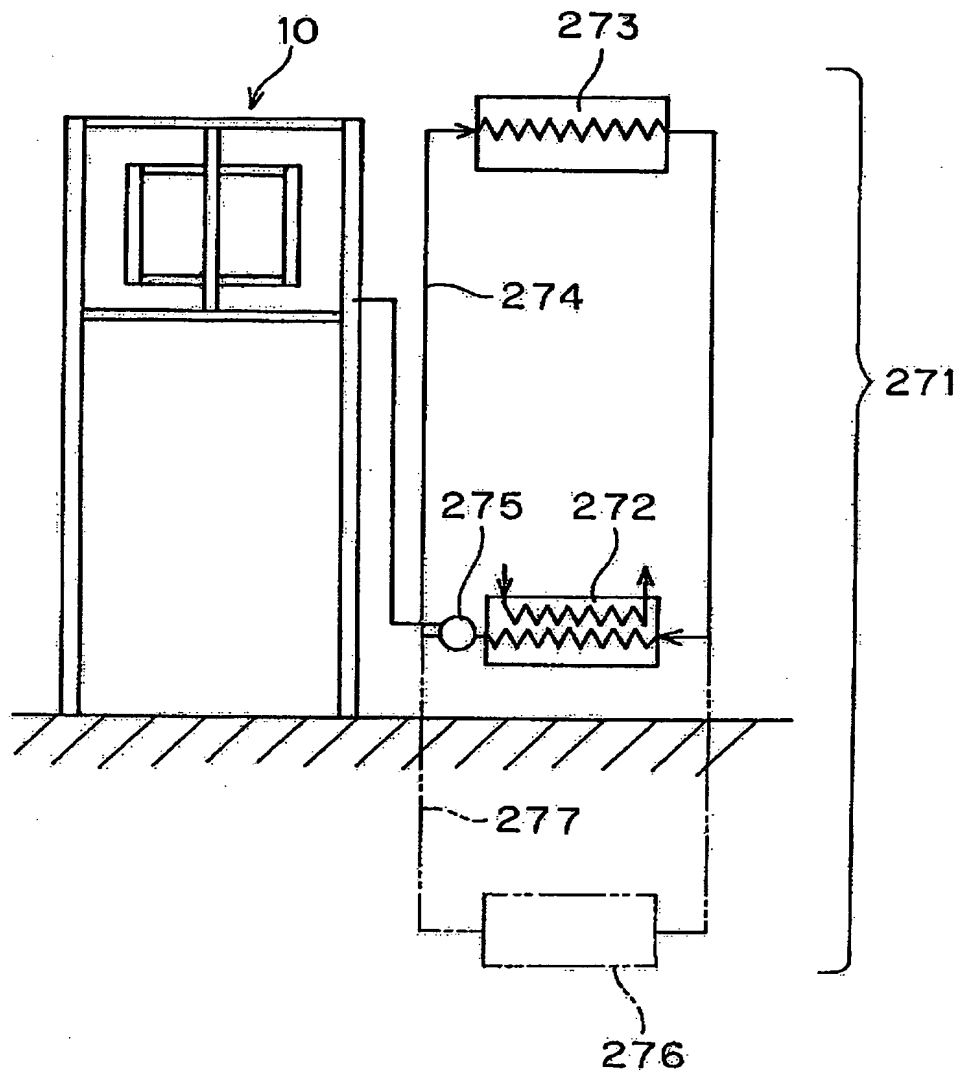
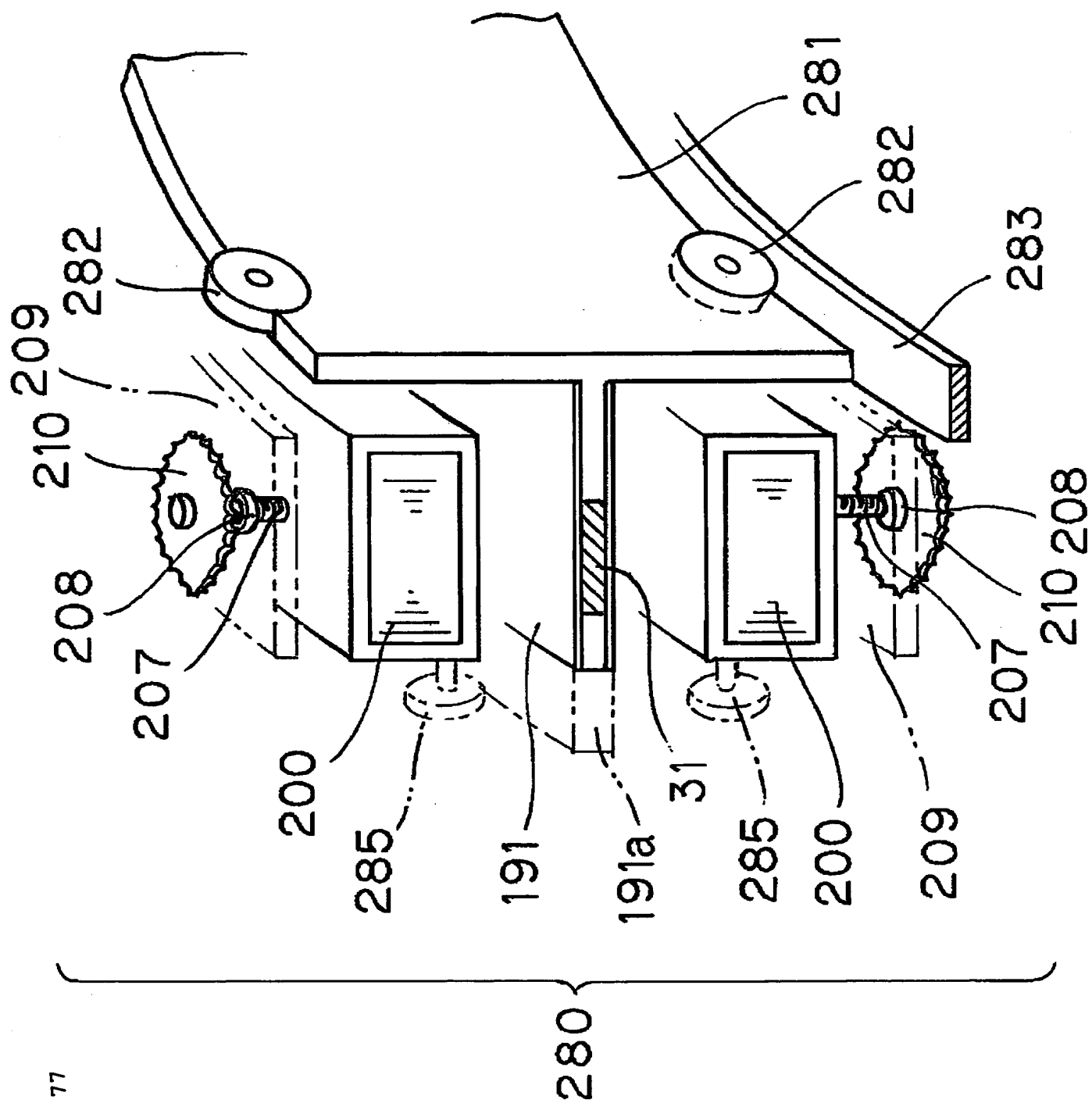


Fig. 77



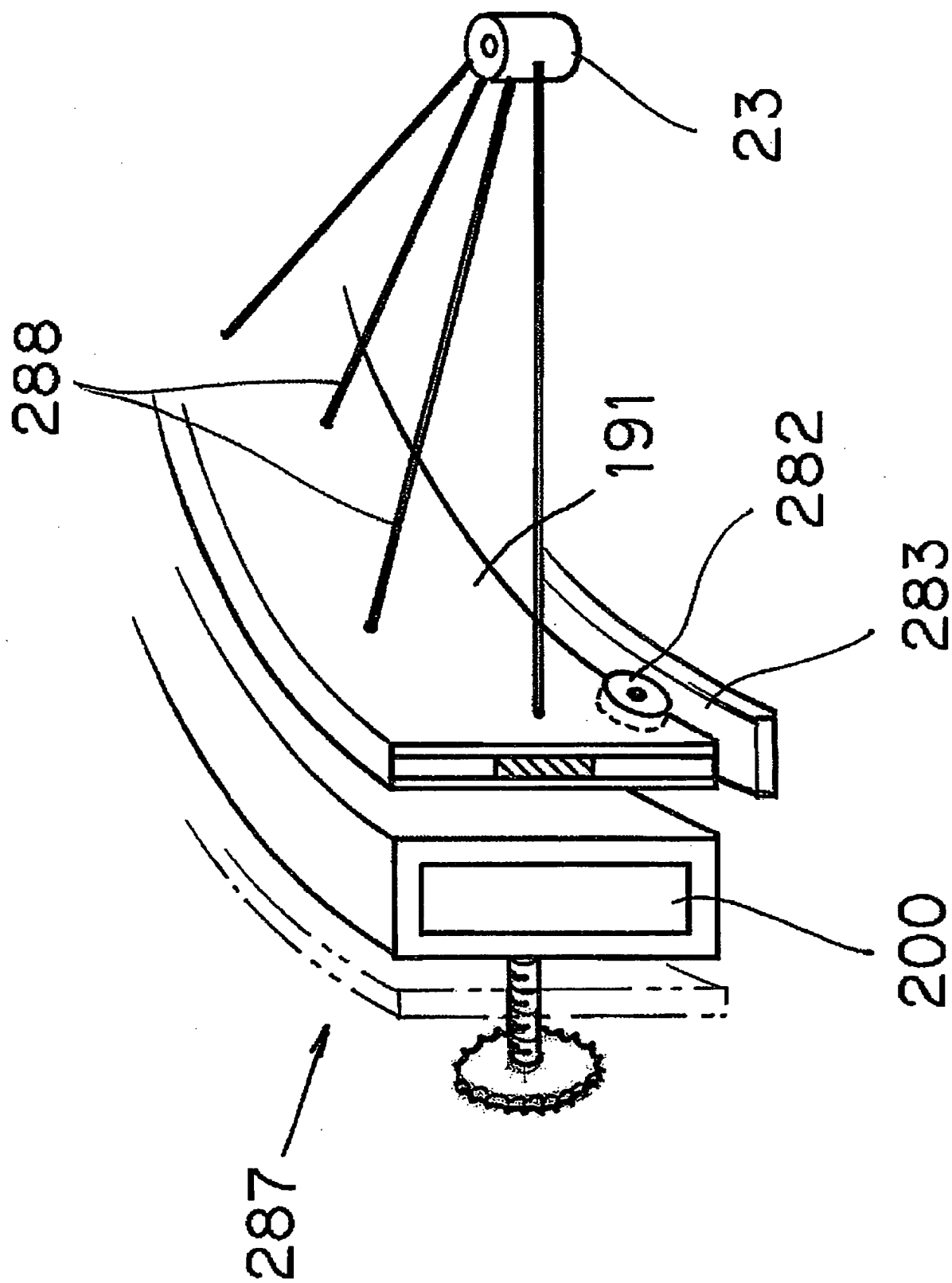


Fig. 78

Fig. 79

